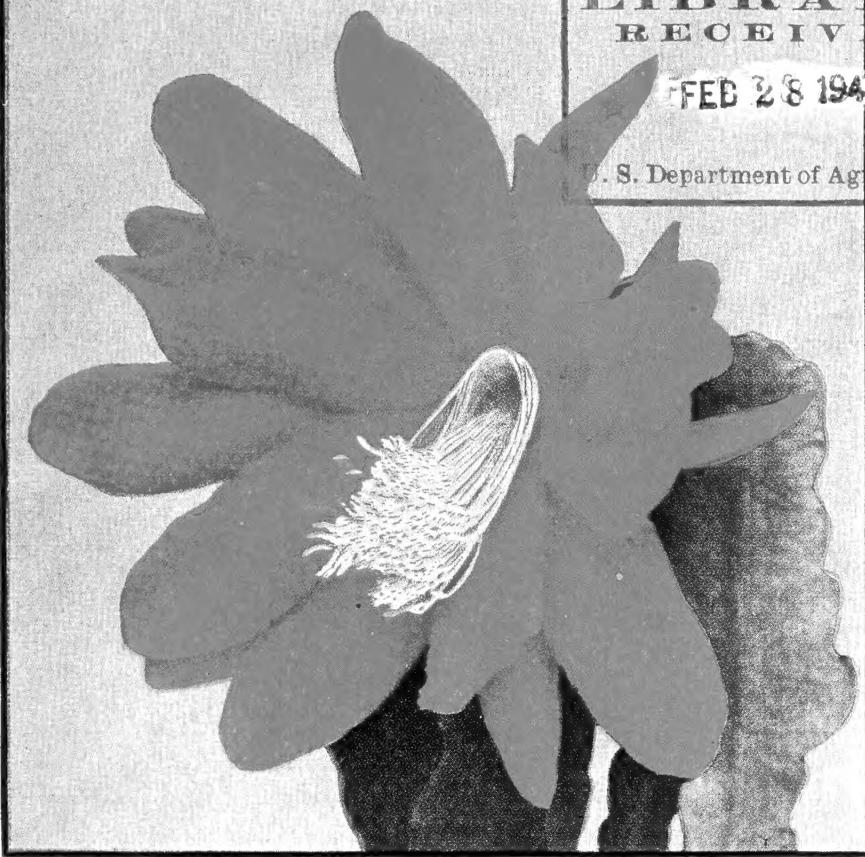
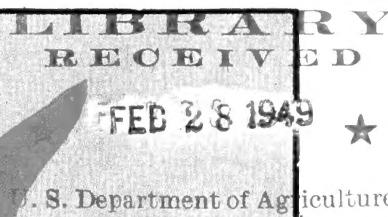


## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.09



**ORCHID CACTUS**  
"Gloria"

ORCHID CACTI are among the most spectacularly beautiful of all flowers. Some are as big as dinner plates and of the most brilliant colors. Glorious burnt orange, effulgent electric violets, bright pinks, snowy whites and bicolors. A feast for the epicure. They are well within the reach of the window gardener and no description can do them justice. This variety, "Gloria," is very lovely and free flowering and much recommended. Each.....

75c

1949  
**TREASURE TROVE**

*from*  
**CACTUS  
LAND**

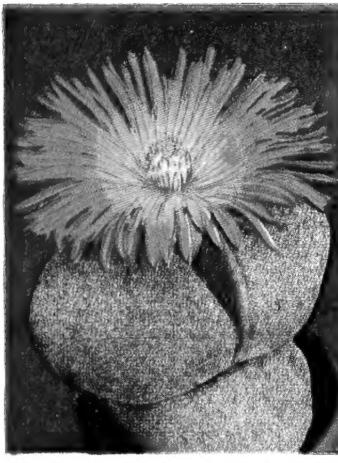
PRICE 25 CENTS



This handbook of cactus lore describes part of the largest available collection in the world. In our collection are most of the known genera, with many rare and new species, some yet to be described. It is the result of 40 years of study, collecting and exploration. New plants are continually being received and propagated, to be offered in the future. Since the basic purpose of the collection is scientific and also to further the interest in these extraordinary plants we ask the above 25 cents (which is only a part of the cost), to help pay for future editions. Publishing costs are now terrific.

# JOHNSON CACTUS GARDENS

Nurseries at PARAMOUNT, CALIFORNIA



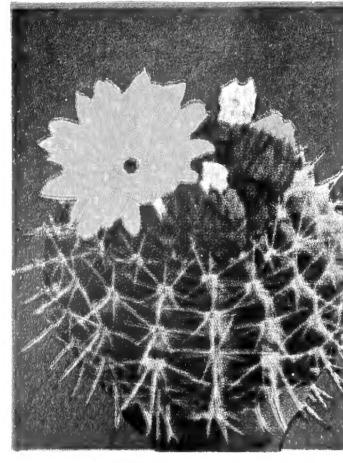
**SPLIT ROCK**

These very curious African succulents are real mimicry plants so closely resembling the stones among which they grow as to be very difficult to find except when in flower. Pleiospilos Nelli is easy to grow in a sunny window, watering lightly when dry. Sandy soil. 1½-2 inch, 50¢; 1-1¼ inch.....



**LITHOPS BELLA**

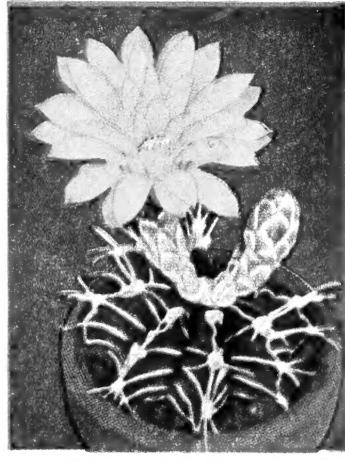
An African "window" plant and also a true mimicry plant. The Stone Faces imitate the pebbles among which they grow, both in shape and coloration. Some are white, others red, green or brown. They bear their bright blossoms in Autumn. Plant them in a sunny window in sandy soil. Each 40¢



**NOTOCACTUS PAMEPANUS**

A quite easily grown and flowered cactus, seldom exceeding a small orange in size. It comes from South America. The bright blossoms appear in the Spring after the Winter rest. Thrives in a well lighted window, liking a sandy loam with moderate waterings. Large 2-2½ inch, \$1.50. Smaller 50¢ and.....

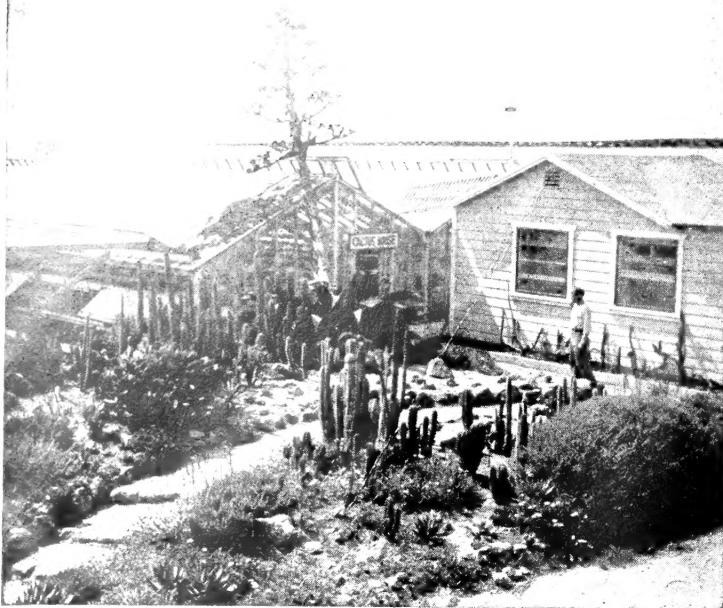
35¢



**ROSE PLAID CACTUS**

This is a very dainty small caetus, quite brightly banded in copper green and cream. The blossoms are quite large in proportion, very freely borne throughout the Summer even on small plants. Gymnocalycium Friedericii blossoms are in various shades of pink. A light position, moderate waterings. 3 years old, 75¢, 50¢ and.....

35¢



### SECTION OF DISPLAY GARDEN

Our friends are invited to visit our gardens when touring in California. We are situated near Long Beach at the town of Paramount (nee Hynes) about 20 miles southeast of Los Angeles, 16613 Garfield Ave. (telephone Metcalf 3-1515 if you get lost!). Visiting hours 8 to 5 p.m. We can not always go around with you as a nurseryman is like a farmer or housewife whose work is never done and there are always a myriad tasks which must be attended to on time. You are always welcome to browse.

### 1876 - 1949

We have been nurserymen for three generations, starting in Bordentown, N. J., moving to Hollywood in 1894 when it was yet a village of orange and lemon groves. My own experiences have included work with the Park system of Los Angeles (conservatories, wild gardens, etc.), student of botany and landscape architecture at Massachusetts State University, teaching horticulture in the schools of Los Angeles, assistant in Plant Introduction in the Office of Foreign Seed and Plant Introduction, Washington, D. C., exploring in Central America, coffee planting in Guatemala and general plant collecting in the tropics. My wife has always been an active partner of our firm and our sons have now joined us and we all hope to continue deserving your friendship and patronage.

### HIGHEST QUALITY

We strive to give you the best plants that can be grown and our thousands of satisfied customers who have patronized us through the years attest not perfection but a willingness to do our best and to learn and improve.



The past year we have much improved our facilities and now well over a million plants are growing in our frames and greenhouses and many new plants have been added to our collection which we hope to distribute soon.

Sincerely,  
HARRY JOHNSON.

## CACTUS HUNTING IN SOUTH AMERICA

As a plantsman South America has long attracted me and when in January, 1948, my plane reservations to Lima, Peru, were in my hands, a boyhood dream came true. In two short days the lights of Lima were twinkling through the velvety darkness and the plane circled into a landing. There I was met by a fellow cactus fan, John Akers, who for the past three years had been collecting there. Before me were three months of constant travel and exploration. I journeyed from Piura in the north to Arequipa in the south and across the Andes four times to the western affluents of the Amazon, the rivers Apurimac, Urubamba, Huallaga and Maranon, finding new cacti everywhere. Near Lima grew the handsome white *Pseudoeuphorbia*, lovely *Peruvocereus*, many new *Milas* and *Loxanthocereus*, *Melocactus*, *Armatocereus*, *Haageocereus*, *Opuntia* and *Matucana*. South at Arequipa grew *Brownia*, *Trichocereus*, *Arequipa*, *Haageocereus*, *Tephrocactus*, *Corynacactus* and *Erdisia*. Ascending to the cold dark waters of Lake Titicaca I found *Lobivia*, and near the ancient city of Cuzco, *Trichocereus*, *Lobivia* and *Erdisia*. At the Inca city of Macchu Picchu grew glorious Orchids, Begonias and Fuchsias. Along the Apurimac we found *Trichocereus*, *Erdisia* and a handsome new cereus. Back at Lima we crossed to Huancayo through a 15,800-foot pass to find *Oroya*, *Opuntia floccosa*, *Erdisia*, *Trichocereus*, *Morawetzia*, *Cleistocactus* and Mr. Akers' new genus, *Azureocereus*. We crossed again over the 15,000-foot Pampa de Junin to Cerro de Pasco, dropping down the Huallaga to Huancayo, where we found a new *Trichocereus*, *Erdisia* and *Euphorbia*. At Tinga Maria a *Rhipsalis*, *Cereus* and *Epiphyllum*, not to mention glorious Palms, tree ferns and the myriad beauties of the dark jungle depths. From Lima we flew north to Chiclayo, where we found three *Armatocereus*, *Monvillea*, *Hylocereus*, *Melocactus*, *Peruvocereus*, *Haageocereus*, *Gymnanthocereus* and a glorious new *Euphorbia* growing to 15 feet tall. Here also on the dry hillsides a lovely pink *Bougainvillea*.

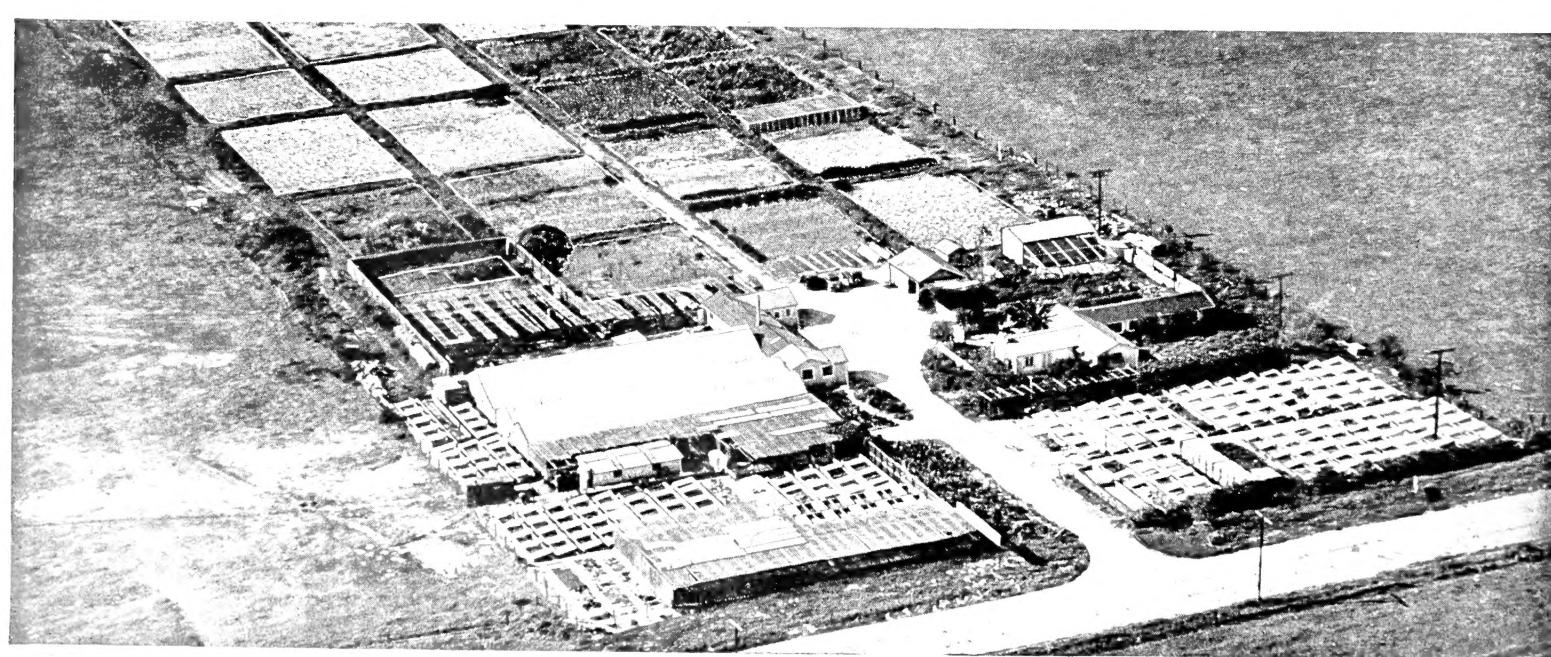
Next we flew to Ecuador, to Quito, almost on the equator, encircled by 22,000-foot snow capped peaks. We drove north to Colombia and south to Ambato, finding *Borzicactus* and *Opuntia* and several tall *Echeverias*. We were entranced by the snowy cone of lofty Chimborazo. Then down to the Rio Pastaza, where below Banos I found many old greenhouse favorites growing in the hot, humid jungle, *Eucharis*, *Marantas*, *Fittonia*, *Dieffenbachia*, *Philodendron*, *Peperomia*, etc. Also the savage Jivaro Indians with their blowpipes and shrunken human heads. Then down the western Andes to Santo Domingo and the curious Colorado Indians and glorious Orchid filled jungles with thousands of pink or white *Sobralias*, *Epidendrums* and the lovely *Cypripedium caudatum*.

Flying over the jungle to Cali in Colombia, where we found *Rhipsalis*, *Piptanthocereus*, *Acanthocereus* and *Hylocereus*, and then to Bogota, where only *Echeverias* grew. But down on the Magdalena I found a lovely *Melocactus*, two *Acanthocereus*, *Piptanthocereus* and *Hylocereus*. We were in Bogota when Secretary Marshall arrived, but got out two days before the revolution, going to Medellin. At Antioquia, below Medellin, we found two *Acanthocereus*, *Opuntias* and *Hylocereus*. Then to Panama, which we crossed, visiting the botanic gardens, seeing few cacti. In Nicaragua we flew around a volcano in full eruption, an awesome spectacle. Arriving in Guatemala City we crossed to Coban, where I once was administrator of coffee fincas. In the desert mountains near Salama I found *Melocactus Maxoni*, *Cephalocereus Maxoni*, two curious *Acanthocereus*, two *Lemaireocereus*, and higher two *Hylocereus* and *Epiphyllum*. Also lovely *Agave*, *Plumeria*, and succulent pink flowered *Tradescantia*. Back at Guatemala City we flew over the magnificent jungles of El Peten to Merida, in Mexico, to see the Maya ruins of Chichen Itza and Ixmul. There we found *Selenicereus Donkelaari* growing at the sacred cenote, clinging to the very platform from which the virgins were tossed to their death in the cool green waters. Also we found *Cephalocereus*, *Lemaireocereus*, *Acanthocereus* and *Consolea*. Then Mexico City and home.

Almost all of these Cacti are now growing in my greenhouses and will be available to collectors.

### OUR GUARANTEE

We guarantee to send you healthy plants, true to name. Our packing is efficient and plants should reach you in fresh planting condition. If for any reason plants are damaged in transit and we are notified within 5 days of receipt we will issue a credit card and make replacement with your next order. Since any plant can be lost through improper cultural methods, we cannot assume responsibility for losses after this period.



Aerial view of our 70 acres of specialized nurseries. In the foreground are lath houses, glass covered frames and greenhouses, the physical equipment necessary to produce large quantities of cacti we are sending to the four corners of the world. In the background are the acres of concrete pools in which are grown our other great specialty, white and blue blossoms, the strong plants of which are shipped in the Spring to home gardens throughout the United States and Canada. Until you have tried our Hardy and Hardy Water Lilies you have not known how gloriously beautiful and successful a garden pool can be. Write for Johnson's Water Lily catalog.

# Stone Faces

**T**HE STONE FACES or Lithops and their kin are among the most interesting and attractive plants I know. A fine collection of them can be grown on a window ledge, as they take up but little room and many can be grown in a single pot. They are found in South Africa in desert areas, where they grow snuggled down in the soil with just their tops visible. They simulate the stones or soil in which they grow so that they are almost impossible to find except when they burst forth in bloom with the coming of the rains. With age they form clusters, but mostly they are small top-shaped plantlets from  $\frac{1}{2}$ -inch to 1-inch in diameter, variously colored and variegated on their exposed tops, which are really a pair of connate, turgid leaves. Many have "windows" through which the light shines to reach the chlorophyll buried beneath the ground. These translucent windows are of a different color than the rest of the plant and form lovely patterns, distinct in each species. Some are brick red, others dove grey, rosy white, grey green, rosy brown, speckled, marbled and lined in intricate ways. Their flowers are like daisies, either sparkling white or yellow, and appear in early September and October or in Spring.

**CULTURE.** They are quite easily grown, in fact, they often flower the first year. Plant them in almost pure sand and place them in a sunny, airy window, watering only when the sand is dry to a depth of one-half inch. Even then, never saturate them. Water lightly so they will dry out in a few days. When growth is completed in May and June keep quite dry until mid-August. Then water lightly until the buds show. During the cold, dreary days of Winter water only when necessary. Remember they are desert plants and are impatient of wetness, very impatient.

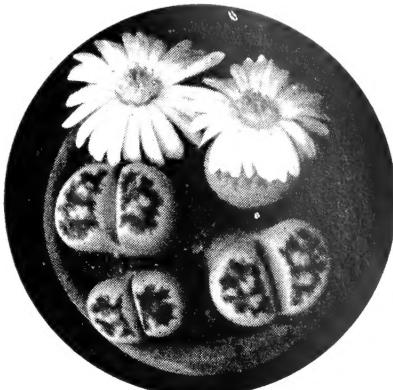
## GENERAL LIST OF LITHOPS

**Lithops alpina.** Grows to an inch in diameter with large yellow blossoms. Plant tan-colored with an intricate speckled and lined brown pattern. Blossoms in Summer rather early. From the mountains of South West Africa. Nice...**50c**

**Lithops Aucampiae.** The Red Lithops. A very handsome species, brick red in color. Flowers large, clear yellow, in September. Varies considerably in the amount of window pattern. The surface is often rough with incised dark lines. Nice.....**35c**

**Lithops Comptonii.** A dove grey species with large, dark window. Flowers yellow. Each..**35c**

**Lithops Framesii.** A lovely much marbled species with charming white blossoms in October. Plant body dove grey with darker windows.....**35c**



**LITHOPS LERICHEANA**

A brightly marked plant, pinkish brown, with large bullate, dark brown windows. Flowers large white, borne in September and October. Very pretty and with age forming nice clusters. All Lithops should form but a single pair of leaves each year except when the head divides after flowering. The new pair of leaves slowly absorbs the old pair and eventually fills their place. Don't hurry them. Each.....**30c**

**Lithops Fulleri.** See illustration below.

**Lithops fulviceps.** Pink-tan speckled with tiny olive grey windows. Flowers yellow borne in September.....**40c**

**Lithops inornata?** A distinct species, pale olive brown with darker olive green windows. Flowers yellow in late Spring.....**30c**

**Lithops karasmontanum.** A fine vigorous species with fawn colored bodies and large brown windows.....**25c**

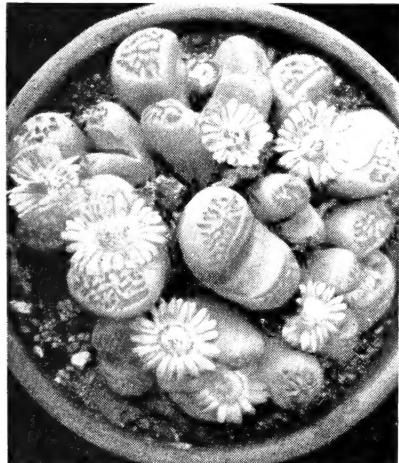
**Lithops kunjacensis.** Plant reddish yellow lined dark brown.....**35c**

**Lithops Leslei.** Plant brown red with large olive green windows often flecked brown. Flowers yellow.....**40c**

**Lithops Marthae.** Blue grey plant, body, windows slightly darker. A fine plant. Flowers yellow. Nice.....**30c**

**Lithops Mundtii.** A form of L. pseudotruncatella supposedly larger. Varies considerably in window pattern from plant to plant. Quite choice. Each.....**35c**

**Lithops opalina.** Pale, soft rosy white tinged blue with faintly darker windows. Flowers large, white in October. Each.....**35c**



**LITHOPS HERREI**

A charming small species, soft grey white, the windows darker. It flowers from every head, the yellow blossoms wedged in between the turgid leaves. With each flowering the number of heads doubles. 35c From West Africa. Each.....



**LITHOPS MICKBERGENSIS**

A very fine species, grey with lead colored windows in an intricate pattern. Flowers freely, white, borne in October and November. Lithops flowers on last year's growth, the flower bud pushing up between the leaves. After the seed pod is formed the new pair of leaves (often two pairs) begin growing, but are long hidden by the old pair. They must absorb the old pair, which takes all Winter. In Spring they begin to show and slowly take the place of the old pair. Water only enough to keep from shriveling, so they are resting in June, July and early August, when water may be again supplied. Each.....**35c**

## STONE FACE DISH GARDENS

These interesting and handsome plants will grow well and make highly attractive miniature gardens if planted together in 4-inch or 6-inch pots. Place some small stones, onyx or quartz, among them, and you will see that they are true mimicry plants. They will fool your friends.

### COLLECTION R1

**6 Contrasting Stone Faces**.....**\$1.50**

### COLLECTION R2

**12 Unusual Stone Faces**.....**\$2.50**

**Lithops Peersii.** Olive grey speckled with a myriad dots of darker grey. A very pretty species with yellow blossoms in October.....**40c**

**Lithops pseudotruncatella.** A large species with big yellow blossoms in late Spring. Variable window pattern in tan and brown.....**35c**

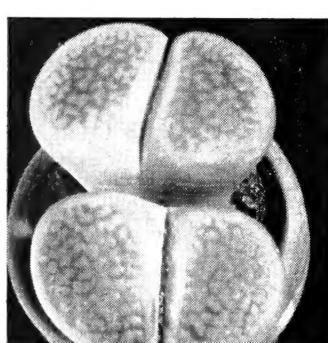
**Lithops Schwantesii.** Rosy white tinged brown with red-brown pattern. Flowers white in October.....**30c**

**Lithops summittatum.** Rosy tan with dark lines and windows. Flowers white.....**30c**

**Lithops terricolor.** Similar to L. Peersii. Dark grey, many spotted. Flowers yellow.....**40c**

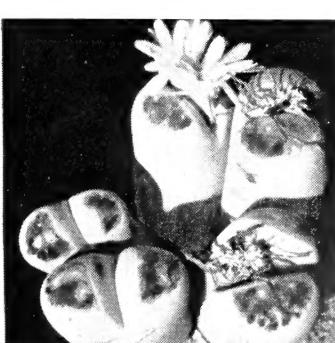
**Lithops umdausensis.** Dove grey with darker windows and large white flowers.....**35c**

**Lithops Ursulae.** A handsome rosy tan with rust brown incised lines forming a bright design. Flowers large, white in September.....**35c**



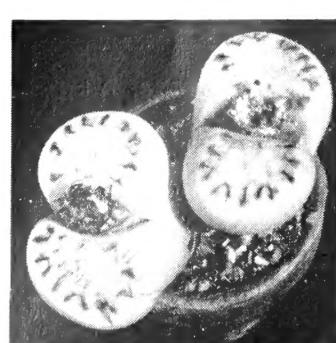
**LITHOPS TURBINIFORMIS**

The plant body is attractively colored red brown and grows to a large size for these plants. The upper surface is quite furrowed, the incised lines in darker contrast. Blossoms in September, large, bright yellow. Found in many localities. Charming. Each.....**35c**



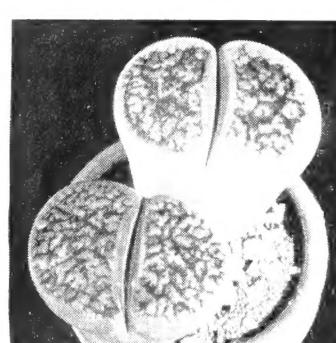
**LITHOPS OLIVACEA**

An uncommon green Lithops. The conical plant body is pale green, with large, clear windows. Forms nice clumps. Flowers in October and November. Blossoms tightly appressed, bright yellow. Branches freely after flowering. Nice.....**35c**



**LITHOPS FULLERI**

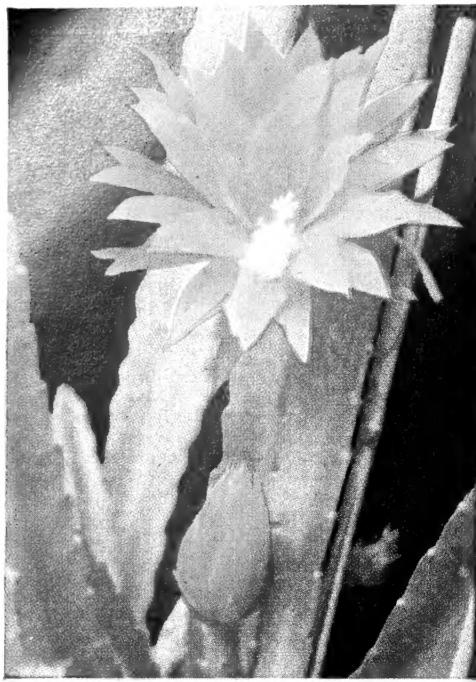
One of the loveliest species, body creamy white, often flushed with rose, with handsome darker brown windows in a scalloped design around the margin. Flowers large white, borne in October and November. Like all Lithops, it likes a long Summer rest. Each.....**40c**



**LITHOPS AUCAMPIAE**

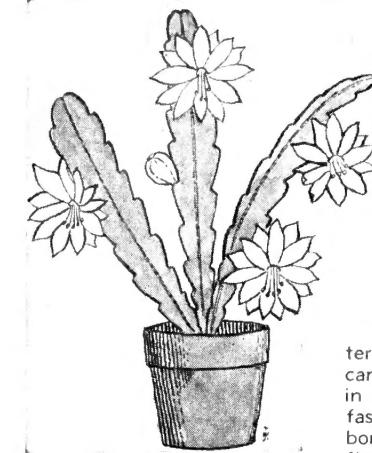
The Red Lithops is a great favorite. The plant body attains large size, is brick red with a very intricate window pattern which is quite variable from plant to plant. Blossoms large yellow, borne in September. Nice plants.....**35c**

# ORCHID CACTI



**PROF. EBERT**

A very lovely free blooming variety with flowers of bright violet-carmine. A good sturdy growing plant with triangular bright green stems and quite sure to flower. Makes an attractive, upright plant, bearing its blossoms boldly. Petals overlapping, flower 90c of fine form. Each.

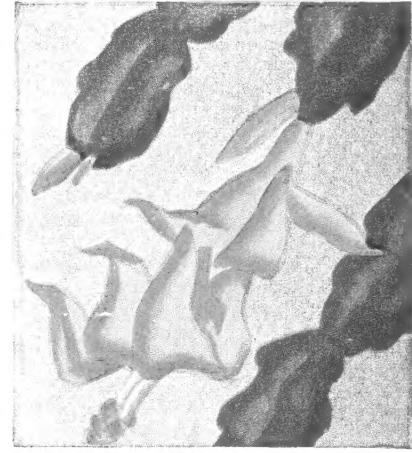


## PINK AND ROSE

**AGATHA.** A very handsome flower. See photo below.

**ARGUS.** A beautiful cup-shaped flower of delicate shell pink with red throat. A strong, vigorous plant, free blooming, making a good specimen. Blooming period long and late. Each ..... 85c

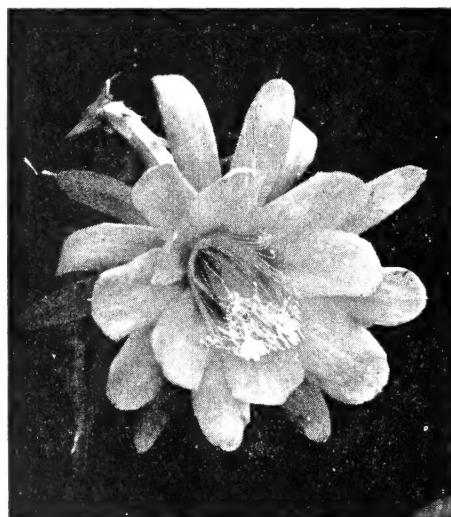
**JOSEPH DE LAET.** A lovely colorful variety with medium to large flowers. Outer petals scarlet red, spreading, next series red and violet, inner series violet to pale orchid with center stripe. Each ..... \$1.00



## CHRISTMAS CACTUS

Crabs Claw Cactus (*Zygocactus truncatus*)

The beautiful Fuchsia-like blossoms are seen from December till March, when other flowers are scarce. Easy to grow in light sandy soil with leafmold. Water moderately, but do not allow them to get too dry. They are native to the cool, moist Organ Mountains of southern Brazil, where they grow up in the trees with Orchids and Popcorn Cacti. Nice plants, 3½-5 inches, 75c; 2-year-old, 2½-inches. Each... 50c



## AGATHA

This is a singularly beautiful variety with soft pastel pink petals of a lovely satiny sheen. A ruby red eye at the bottom of the throat brings out the warm fresh tones. The flower is perfectly formed, the plant vigorous, with strong roots. Makes a fine specimen. Each ..... 75c

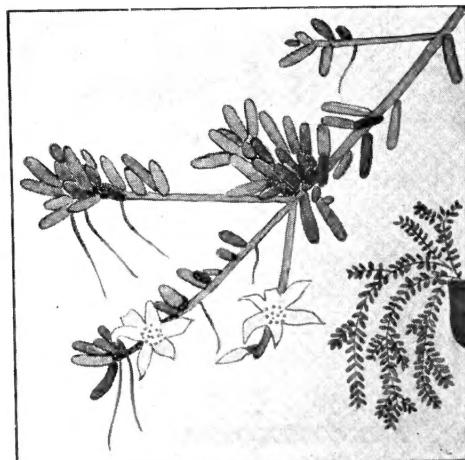
**LATONA.** A large loosely petalled flower of a fine orchid pink. Outer petals are a deep rosy red, the inner petals suffused with lilac. A very lovely and distinct variety. Good grower. Each ..... 85c

**LOHENGRIEN.** Deep orchid pink blossoms with rose center. The flowers are very large, with wide petals. This charming variety is of good sturdy growth. Each ..... 75c

**MARTHA SALLNER.** Deep carmine pink blossoms having an iridescent pink sheen. The large waxy flowers are quite handsome. Each ..... 85c

## PADRE

A lovely warm pink blossom of fine size, with spreading outer petals, the inner series forming a central cup. The plant is vigorous, with a good healthy root system, the "leaves" pale green, and continuing growth for many years. It may be found in bloom at almost any season if the weather is warm. Each ..... 75c



## MISTLETOE CACTUS

A much branched weeping plant with white flowers and mistletoe-like berries. *Rhipsalis mesembrianthemoidea* needs same treatment as the Orchid Cacti. Make very interesting specimens. Give some shade in a cool situation, a very sandy loam, with generous waterings. Nice plants... 40c



## EMPEROR

The liveliest long-keeping pink blossoms imaginable. No spines. Beautiful in corsages. An old favorite in window gardens, where it thrives, producing a fine display of the daintiest pearl-pink blossoms. Flowers last for weeks. Likes a light sandy loam with leafmold and sand. Partial shade with moderate to generous waterings. Each ..... 75c

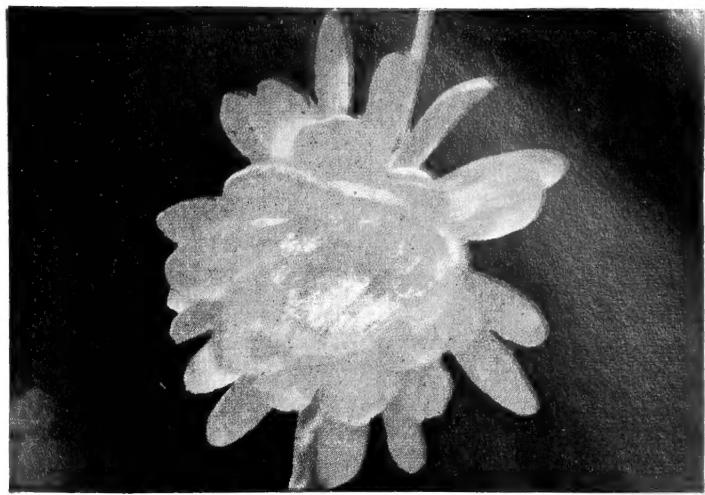
# or Epiphyllums

## CULTURE OF ORCHID CACTI

In general, they should be treated very much as one would ferns or begonias or even geraniums. This is understandable when one remembers they are NOT desert plants but native to the warm upland forests of Mexico and Central America. They enjoy a quite sandy but rich soil from which surplus water quickly drains away. They like plenty of water during the growing season from March to September, never allowing them to become dry. Feeding with Cactus Food greatly stimulates growth and flowering. If possible they like being put out under a tree in Summer, where they will make lusty, well matured growth sure to bloom, after the Winter's rest, in April, May and June.

A soil of gritty sand, leafmold and light, rich loam in about equal proportions suits them nicely. Do not overpot them. An average plant as shipped should not have a larger pot than 4 inches until well established. Plants always root quicker in small pots where the roots have better access to the air. Winter them in a cool place above 45 degrees.

Orchid Cacti will produce their flowers next Spring on the growth they make this Summer. Thus to get an abundance of flowers one should encourage healthy growth produced with plenty of light and fresh air during the Summer, then by resting from November till March (i.e., keeping temperatures low or about 50° and giving a little less water) to mature this growth so that in March or April the stored energy can be diverted to producing buds and flowers.

**PFAU**

A lovely variety with cupped ruffled inner petals. Stocks of this are very limited. Many other varieties are as lovely and in better supply. All Orchid Cacti bear brilliant, striking flowers. Among all the flowers I know none are more beautiful. Each.....

**\$1.25**

## RAINBOW COLLECTION

### COLLECTION R3

**3** Beautiful Orchid Cacti particularly selected for their brightness and long blooming season. A fine group to start with. Our selection properly named. No common species.

Bright red.

Pink.

White.

Three Choice Hybrids, Postpaid.....

**\$2**

## NOTE

Stocks of Orchid Cacti are scarce and our supply is limited. We would appreciate an extra choice or so if plants ordered are sold out. If substitutions have to be made they will be varieties as similar in color as possible.

## REDS AND VIOLETS

**AMBER QUEEN.** Outer petals shiny deep red with undulate margins, inner petals orange red shading to yellow at the base, giving the flower a rich amber glow. Each.....

**75c**

**CONWAY'S GIANT.** A huge flower with broad crimson outer petals. Inner petals overlaid with crimson and violet. A lovely blossom, vigorous grower and free bloomer. Ea....

**75c**

**DANTE.** The large flowers are orange red, the inner petals suffused with delicate violet tones. A vigorous plant, some stems 3 angled. Each .....

**75c**

**DR. WERDERMANN.** A lovely and striking flower of a rich orchid color, the inner petals edged with white. A bold and arresting blossom of large size. Only a limited supply of this outstanding variety. Each .....

**75c**

**ERNEST VON SEDERHOLME.** Large coppery orange flower shading to bronze and violet. Each long tapering pointed petal with lacquered sheen. Each .....

**75c**

**ETOILE DE CONTICH.** One of the most vigorous and easily grown varieties, with sturdy, often triangular leaves. Quantities of large, well shaped flowers, outer petals salmon red, inner flushed with violet. Each.....

**75c**

**FIESTA.** A large rich red flower, the outer petals scarlet with orange center stripe, the inner petals orange, bordered with violet. A vigorous grower. Each .....

**75c**

## SNOWDROP CACTUS

A lovely and graceful cactus from Brazil, where its arching stems, gemmed with white bells, brighten the forest gloom. An old favorite always scarce. *Rhipsalis Houlletiana* has long terete stems with flat leaf-like branches which bear the flowers in late Spring. They like a shady location quite sandy soil with leaf-mold and generous waterings. Treatment somewhat like Begonias. Each. 75c and.....

**50c**

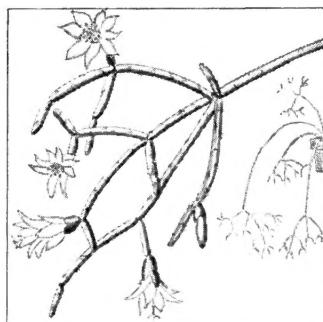
Below:

## RED ORCHID CACTUS

A pretty and universally planted variety with bright red flowers, the throat a cascade of white stamens. A vigorous grower, often with triangular stems. Very easily grown, liking quite a bit of water, some shade and a sandy soil. Each.....

**50c**

For more Orchid Cacti, turn page.



## RICE CACTUS

*Rhipsalis cereuscula*

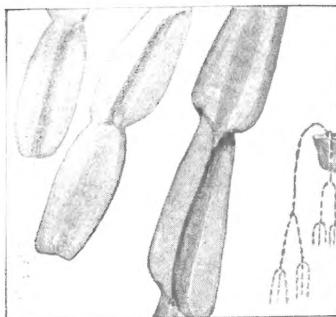
An old favorite of weeping habit. Wand-like arching branches weighted down with innumerable short branchlets bearing a myriad white blossoms in late Spring, followed by white berries. Though true cacti they bear no spines. Give them a cool shady location and plenty of water. Prefer a sandy soil with some leafmold. They grow up in the trees in company with Orchids and Bromeliads. They are easily grown and are much at home in the window garden. Each 50c and.....

**35c**

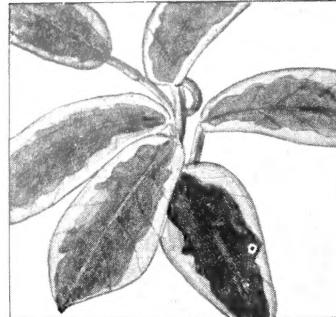
## WAX VINE

Though not a cactus, it grows under the same conditions as the Orchid Cacti. The clusters of blossoms are exquisite, a lovely pink with waxy petals. The leaves are shining deep green, sometimes mottled with silver. It is a familiar plant to the window garden devotee. The vines may be trained about the window casing or allowed to trail. Likes moisture and partial shade. Very scarce. From 3-inch pots. Each.....

**75c**

**LINK CACTUS**

A very curious and pretty cactus for the shade garden. *Rhipsalis paradoxa* is a weeping plant attaining great age. The stems are 3-angled, but like the links in a chain reverse at the nodes, giving the plant an odd appearance. Each.....

**50c****TRICOLOR WAX VINE**

A handsomely variegated form of *Hoya carnosa*. The leaves are boldly margined with yellow, often tinged with pink, a highly decorative combination. They are much sought after for dish gardens, as they grow well in shady situations. A sandy loam, moisture and some shade. Each.....

**\$1****CHIAPASIA NELSONII**

Related to the Orchid Cacti, it bears bright violet pink blossoms in abundance during Spring. A lovely graceful plant. It prefers a sandy soil with some crumbly loam and leafmold. Give it a cool situation with shade, but plenty of light and moisture. Each.....

**\$1****RHIPSALIS CRISPATA**

A vigorous growing plant with ovate flat branchlets which are copper tinged when young, later becoming pale apple green. It is a native of southern Brazil, growing in cool forests. An epiphyte, it likes a quite sandy soil, shade, to be kept moist. Each.....

**40c****ORCHID CACTI (Continued)****RED AND VIOLET RED**

**FRANZ LEHAR.** A medium sized flower with crimson outer petals edged with lilac, inner petals rose red. Each.....

**75c**

**GLORIA.** See front cover for color photograph.

**HERMOSISSIMUS**

A spectacular blossom and one of my favorites. The large flowers are boldly held and open widely. The brilliant red petals each have an orange stripe down the center, bordered by violet with a luminous violet throat. Very free in flowering. Plant vigorous and healthy. Each.....

**\$1.00**

**HERMOSUS.** A lovely large flowered variety with red outer petals enclosing a brilliant purple throat. A strikingly beautiful flower. Free blooming, vigorous grower. Fine .....

**\$1.00****DR. HOUGHTON**

For my taste the finest of all Orchid Cacti. The brilliant bold blossoms are very freely borne. The throat is an exquisite electric blue violet, impossible of description. I despair of describing the inner effulgence with which it seems to glow. The outer petals bright red, shading into orange red, the inner petals brilliantly bordered with violet, with an orange center stripe. The long arching stems are studded with buds which in opening wreath the plant in brilliance. Plant is vigorous and healthy. Each .....

**\$1.25**

**LEOBNERI.** A vigorous growing variety with handsome 8-inch blossoms, carmine within, outer petals shading to violet. Each.....

**75c**

**LIVINGSTONE.** Large iridescent flower shading from bright rose to cerise, outer petals bright crimson red. Lovely. Plant vigorous and healthy. Each .....

**75c**

**OBERST KUHNIRICH.** A distinctively attractive flower with slender spreading petals peculiarly Chrysanthemum-like in appearance. Inner petals deep violet, outer petals shading from maroon to copper. A fine strong grower. Each .....

**90c**

**RED QUEEN.** An old but beautiful variety, with large brilliant red blossoms, freely borne. Plant vigorous and strong. Each.....

**75c****VIEW IN SEEDLING HOUSE**

This year we have some very fine types of the handsome white haired Old Man Cacti. These plants are all very scarce now and probably will remain so. Ours are snowy white, without blemishes, and have excellent healthy root systems. Much of the seed I collected in South America. We have two large houses devoted to tiny cactus seedlings from those newly sprouted to ones ready to go outdoors.

**Orchid Cactus—HANS REHM**

Glistening deep red 8 to 9 inch blossoms. Outer petals red, inner orange edged with purple. Very lovely flower. Supply limited.....

**85c****PEACOCKII**

One of the grandest and most striking flowers I know. Flowers very large, to 10 inches. Petals are wide, delicately ruffled and overlapping. The coloring is indescribably beautiful, a vivid carmine red, the luminescent throat an intense violet blue. Lovely beyond words. Plant vigorous, stems 3 angled, often with spines. Each .....

**\$1.00**

**SACUNTALA.** A handsomely striped flower of a very unusual color. The long petals are terra-cotta edged with carmine, with a violet center stripe. Quite large. Each.....

**75c**

**SCARLET GIANT.** A huge strikingly beautiful variety. The 10-inch blossoms are vivid orange-scarlet, the tapering petals divided by a fine orange center stripe. The throat is violet red. A vigorous and healthy plant. Each....

**75c**

**SUN GODDESS.** An extremely large blossom, the most glorious of the giant orange flowered varieties. The flowers are a brilliant burnt orange, with a golden sheen. In the throat there is a violet eye. Petals large and graceful. Each .....

**\$1.00**

**VALENCIA.** A very heavy blooming plant, opening late in the season. Inner petals a lovely orange-yellow with a touch of violet in the throat. Outer petals rich burnt orange. Each .....

**75c****RHIPSALIS**

These are all shade loving cacti and all are epiphytic. They grow readily as window plants. Most of them come from wet jungles and grow best with plenty of moisture and some shade. Give them a quite sandy soil and in the growing season they like a little Cactus Food. You will enjoy them.

<i>Rhipsalis capilliformis.</i> Slender stems .....	<b>40c</b>
<i>Rhipsalis grandiflora.</i> Thick stems. Rare.....	<b>75c</b>
<i>Rhipsalis pachyclada.</i> Ovate leaves .....	<b>40c</b>
<i>Rhipsalis pachyptera.</i> Large .....	<b>75c</b>
<i>Rhipsalis pentaptera.</i> Many angled .....	<b>75c</b>
<i>Rhipsalis rhombaea.</i> Copper colored .....	<b>40c</b>
<i>Rhipsalis teres.</i> Long slender .....	<b>40c</b>
<i>Rhipsalis virgata</i> .....	<b>40c</b>
<i>Rhipsalis Warmingiana.</i> 3-angled .....	<b>40c</b>
<i>Rhipsalis trigona.</i> 3-angled .....	<b>50c</b>
<i>Rhipsalis pulvinigera</i> .....	<b>75c</b>
<i>Rhipsalis dissimilis</i> .....	<b>75c</b>

**HATIORA**

Very pretty, with peculiar short, fat stems. Flowers orange-yellow. Culture as for Rhipsalis.

**Hatiora bambusoides** ..... **75c****Hatiora salicornioides.** Spice Cactus..... **75c****LEPISMUM****Lepismium cruciforme.** Treat as Rhipsalis.. **50c****THANKSGIVING CACTUS**

A hybrid form of the well known Christmas Cactus, with lovely salmon-pink blossoms borne in November and December. This is a very pretty plant and not very plentiful. Culture as for Christmas Cactus. Nice 3-4 inch plants, **75c**; smaller .....

**50c****ORCHID CACTI****COLLECTION R4**

**8** Fine varieties of these beautiful flowering Cacti, including all the various color groups. My selection of choice hybrids.

Eight Rooted Plants, all labelled  
Postpaid, only .....

**\$5****FANCIERS' COLLECTIONS****THE COMPLETE WINDOW GARDEN COLLECTION R5****16 FINE PLANTS**

A fine selection to start your window garden or for planting outdoors during the Summer. Contains representatives of all the main groups of both Cacti and Succulents. Correctly labeled.....

**\$3.00****DE LUXE GARDEN COLLECTION R6**

**28** choice plants, all correctly labelled. A fine selection of the beautiful and odd, Living Rocks, Easter Lily Cacti, Dragon Flowers, Opuntias, Pin-cushion Cacti, Echeverias, Old Men, Torch Cacti, Cereus, Barrel Cacti, Parodias, etc.....

**\$5.00****FANCIER'S ASSORTMENT COLLECTION R7**

**60** rare and choice plants for the collector of the odd and beautiful. Stone Faces and other rare South African succulents with South American cacti, Lobivias, Cerei, Notocacti, etc., plus a group of Mexican Mamillarias, Ferocacti, etc. Labelled.....

**\$10.00****CENTURY ASSORTMENT****No. R8****100 CACTI. NO SUCCULENTS**

A collectors' group, including all the main genera and species of Cacti. A gift any collector would prize above all else. A very moderate price of only.....

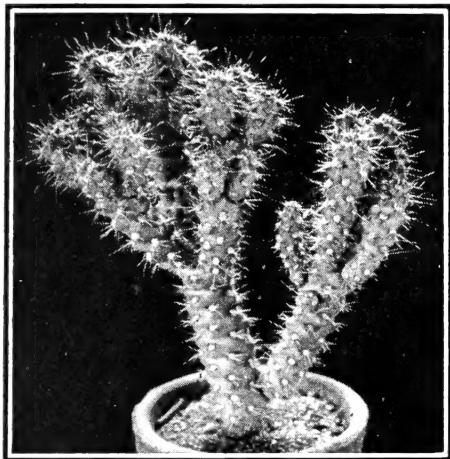
**\$25.00****PLEASURE FROM HER CACTI**

"Received my Cacti and they were very lovely plants. I was much pleased with them. My plants are growing fine this Summer and have quite a few in blossom. I get a lot of pleasure taking care of them. I now have 75 different kinds and hope to make it 100 soon."

MRS. ROSE ANN WELCH  
Haverhill, Mass.

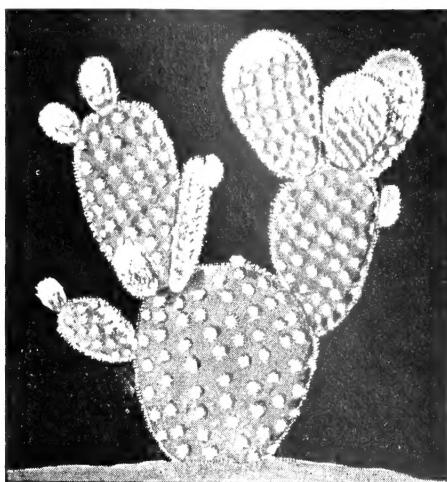
# Opuntias

**O**PUNTIAS and their close relatives form a very distinct and interesting group. They have the widest distribution of all cacti, being found from Canada south to Argentina. There are a myriad forms but mainly they can be grouped between those with round stems or flat pads. Some have quite lovely flowers, some are almost spineless, others like our Chollas have really wicked spines. Some are grown for their pleasantly edible fruits, which are produced in prodigious quantities and are very common in the markets of semi-desert regions where other fruits are scarce. Since they grow easily under almost any conditions they are very good plants to start your collection, and as such I strongly recommend them. The forms are always interesting and attractive, and whether they bear flowers or not they are necessary to give variety. Generally they need a lot of Summer sun and poor soil to make them flower, for some only blossom as a last resort.



DWARF TREE OPUNTIA

Opuntia villosum grows into a tiny, well branched tree with round trunks, some 4 inches tall. This charming little Mexican species is particularly liked for its distinct tree-like growth and the ease with which everyone succeeds with it. Likes a sandy not very rich soil and grows in sun or shade. Well branched, 23c



ANGEL WINGS

*Opuntia microdasys albata*

One of the loveliest of recent introduction, this dainty little plant is covered with cottony white glochids which do not stick! It branches freely, making charming small specimens which remain dwarf. The pure white cushions show brightly against the dark green pads. Each.....

25c

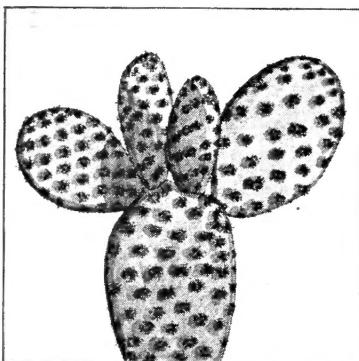


DOLLAR CACTUS

*Opuntia Santa Rita*

Circular blue powdered pads and really handsome yellow blossoms with red eye. Almost spineless and extremely free in flower. Moderate sized plant. Give it plenty of sun and not a very rich sandy soil. A little Cactus Food when growing will give it the vigor to blossom. Each.....

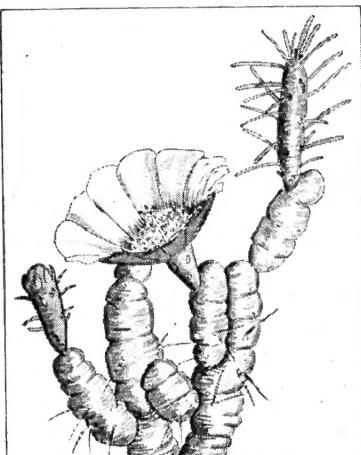
35c



CINNAMON CACTUS

Branches freely from the top of the flat pads. *Opuntia rufida* is an excellent plant for the window garden, with its dark silhouette against the lighted pane. Glochids cinnamon brown. The plant should be handled gingerly when potting, as the glochids come off easily and are annoying though not painful. Nice plants. Each.....

25c



OPUNTIA VERSCHAFFELTII

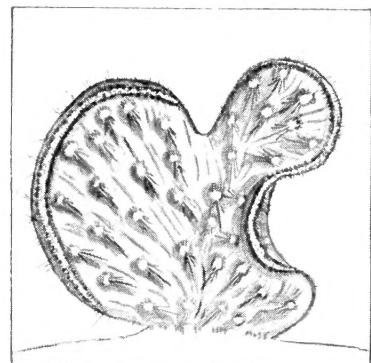
A choice uncommon species without spines which forms a small tree-like specimen. The young stems bear true leaves. A native of the Bolivian highlands. Flowers dark red. Each.....

35c

BOXING GLOVE

These plants assume the oddest, most bizarre shapes imaginable, with age. They start with round stems which always crest at the tip, unfolding, no two alike, into comb-like processes. Each.....

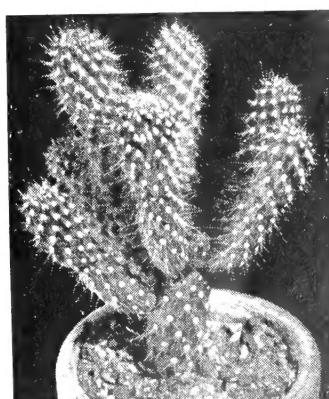
23c



CRESTED OPUNTIA

Crested plants with their curious cockscomb-like manner of growth are always scarce. *Opuntia serpentina cristata* always retains its sinuate growth. Splendid. 2 to 3 inches. Each.....

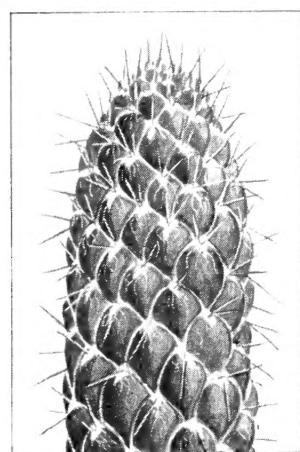
35c



QUIABENTIA CHACOENSIS

A rare Opuntiad from Argentina. Grows into a round stemmed tall tree. Each.....

50c



DEVILS CANE

Makes a tall, columnar specimen, quite useful to give height and variety to the window garden. Grows quickly in sun or shade. 2-4 inches. Each.....

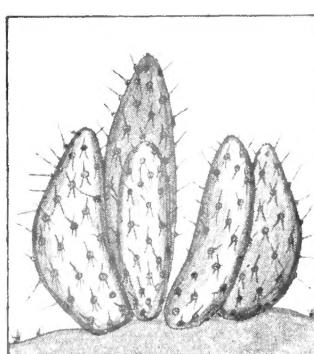
25c



LEMON VINE

Though a true cactus, it bears large shining green leaves and waxy, lemon-scented white blossoms. *Pereskia aculeata* has the habit of a vine and is the best stock to graft Xmas Cactus. Potted. In shipping they often lose their leaves. This does not hurt them. Water well. Each.....

30c



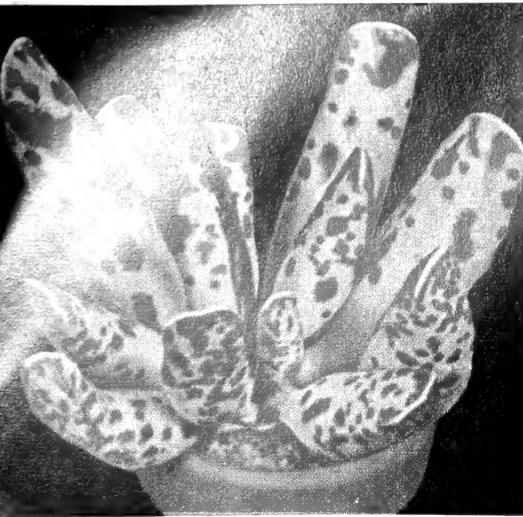
DOMINOES

The pretty *Opuntia erectaeflora* is a quite dwarf species you will want in your collection. Red flowers. Branched plants. Each.....

25c



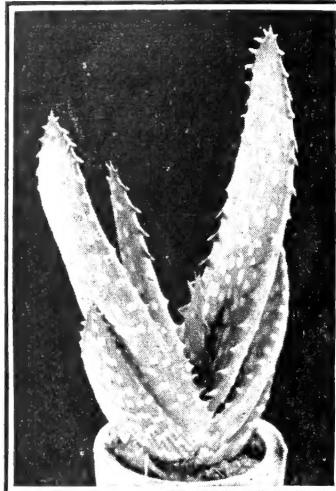
# Succulents



PLOVER EGGS

The fat round leaves of *Adromischus Cooperi* are marbled with maroon-red. Everyone enjoys it. Grows well in sandy soil with moderate watering. It does not like close, heavy soils. Sunshine brings out the brightest coloring. Each.....

**T**HESSE colorful and fascinating desert plants are becoming increasingly popular with our patrons. Most of them are easy to grow in the window garden and none of them have spines. They are found principally in the desert or semi-desert regions of Africa and Mexico, though almost every region of the world produces some species. They are called "succulents" because their thick juicy stems and leaves store water to tide them over the long dry spells found in their home lands. Mexico, from its mountains and plateaus, has given us the lovely Echeverias with their rich coloring and handsome flowers, the white powdered-leaved Pachyphytums, Sedums and related genera and the stately Yuccas and Nolinas and the towering spikes of the Century Plants. From South America come the Dyckias and Puyas, members of the Pineapple family. But the great bulk of our succulents are from South Africa and Madagascar. Here are found a myriad of strange and curious forms. The strikingly beautiful Star Flowers, some with blossoms bigger than dinner plates, nestle beneath the scanty shade of Mimosas. The plains and valleys are dotted with shrubby Mesembryanthemums, which during their flowering seasons are ablaze with brilliant blossoms. In the warmer regions toward Rhodesia the great tree Euphorbias, their gaunt arms reaching upward, give thin shade to the sturdy black men in their kraals. The wonderfully adapted Stone Plants, which in their hundreds mimic the pebbles among which they grow, are found in abundance. Only when they burst into bloom may one discover their hiding places. Clumps of Haworthias in their infinite varieties cling to the shelter of the sparse shrubs, shrubby Cotyledons open their orange bells on the hillsides, and among them hide the dainty Crassulas, with their fragrant "shaving brush" blossoms, while the flaming torches of the glorious Aloes march over veld and kopje, their honey-dripping bells an invitation to the flashing sun birds.



POLKA DOT ALOE

The brightly dotted little Aloe microstigma is charming at all times. The white dots against the light green or rosy leaves are most attractive. Tall spikes of orange flowers in Spring. Sun or shade. Each.....

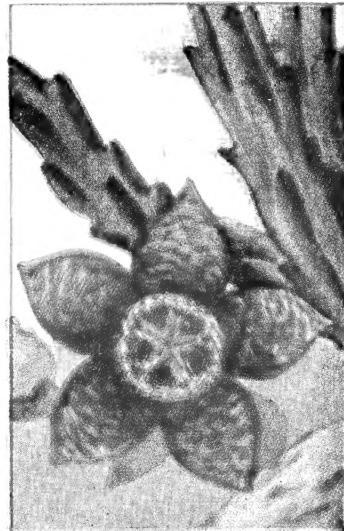
27c



OX TONGUE

The Gasterias are easily grown, the leaves variously spotted with white. Thrive in light shade with very sandy soil and moderate waterings. Each.....

25c



STARFISH FLOWER

The curious blossoms of *Stapelia variegata* are 2 inches across, oddly striped with brown. Blooms on the young growth during Summer and Fall. Sandy soil. Each.....

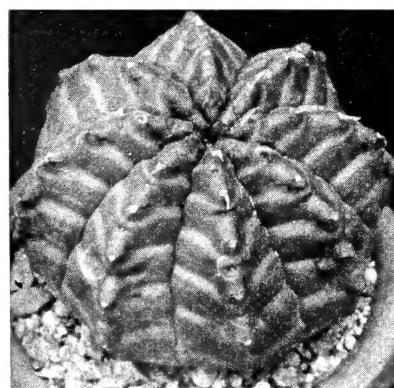
35c



TIGER ALOE

Handsome and easy to grow. Forms fine, long lived specimens. Fine scarlet flowers in late Winter. Very sandy soil with moderate watering. Prefers light shade. 4-5 inch, 50c; 2 to 3 inch, 35c and.....

25c

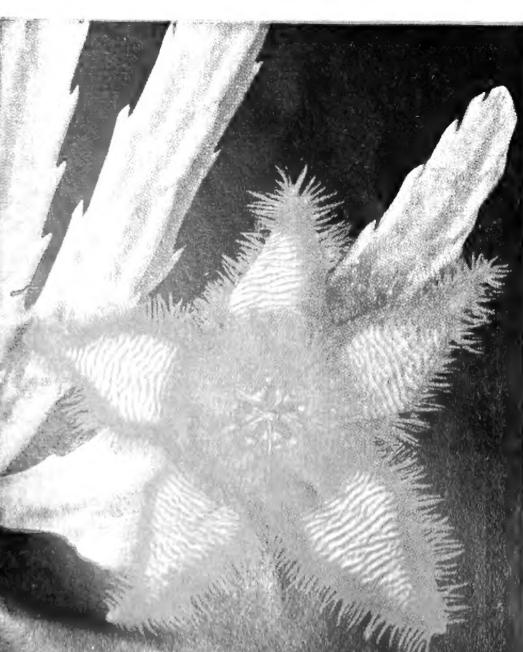


HAIRY STARFISH FLOWER

*Stapelia hirsuta*

This lovely bright desert star is one of the most fascinating of succulents. It is at home in the window garden, blooming freely the first year. The small plants grow easily in sandy loam or sand with a little soil, flowering all Summer and Fall. Give moderate water in Summer but keep dry in Winter. Potted branched plants. Each.....

35c



STRIPED EUPHORBIA

An uncommon succulent more or less striped in a zig-zag pattern. *Euphorbia valida* is a choice collectors item. The plants are male or female. Pair \$4.00. Grow to 5-inch diameter. Sandy soil, moderate water. 2 to 2½ inches, \$1.50; 1-inch, 1½-inch. Each.....

75c

At right:

BABY TOES

An odd "window plant" with pretty snow-white blossoms in October and November. Each leaf has a clear window at the tip. Plant in almost pure sand, water lightly, keeping water off the leaves. Cultural instructions sent with each plant. Our plants are shipped in small pots and do not need repotting. These plants are real curiosities and a source of unending interest. Full sun. Each.....

40c

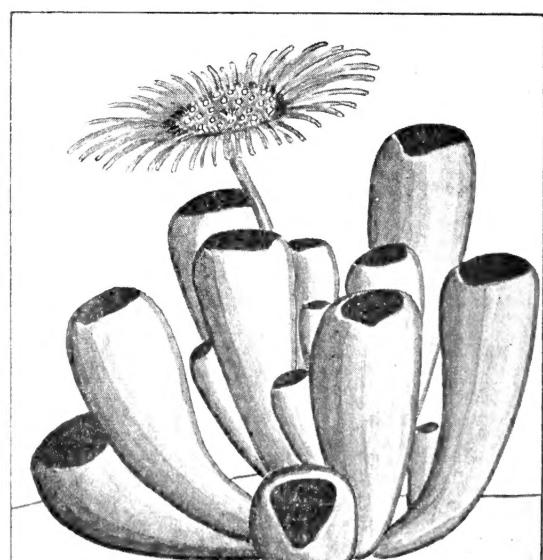


DESERT ROSE

*Trichodiadema densa*

A choice Mesemb with lovely bright pink blossoms flowering in January and February. The leaves are each tipped with a star of white bristles. Forms nice little clusters, each head producing flowers. You might almost take it for a *Mammillaria*. Very sandy soil, moderate watering. Each.....

35c

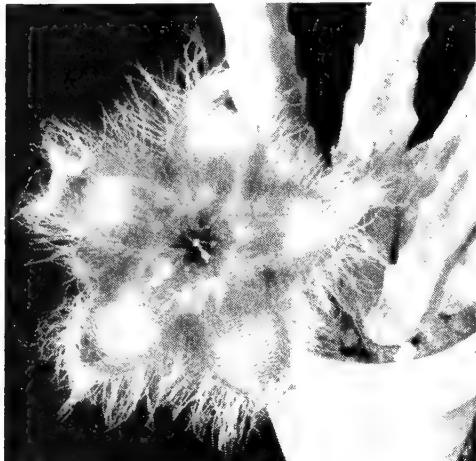


## CULTURE OF SUCCULENTS

Succulents are mostly quite at home in the window garden, being the most amenable of plants. They like a quite sandy soil. Soils containing much clay are sticky and cold. Sandy soils do not stay wet and quickly absorb warmth, being much more to the liking of our desert succulents, who do not like wet feet. A suitable soil may be made up of 1 part easily crumbled loam, 2 parts coarse sand and 1 part of leafmold. Very rich soils are inclined to make succulents grow too fast, wherein they tend to lose their interesting forms and colors, besides becoming prime subjects for bugs and diseases.

In watering be temperate. A good sensible rule is to apply water only as the soil becomes fairly dry. Water lightly, never soaking them. They should dry out in a week or ten days, particularly in Winter. You will never lose them from rotting if this simple rule is followed. Remember they are not used to much rain in their desert homes and dry spells are quite normal. They are particularly impatient of too heavy watering right after they are newly planted. It takes one to two months to recover.

They like plenty of light and many do well in full sunshine, though they will appreciate a little shade in the middle of a Summer day. The more shade they have the less water they will need, which is true of all plants. They also like plenty of fresh air at all times.



**BEARDED STAR FLOWER**

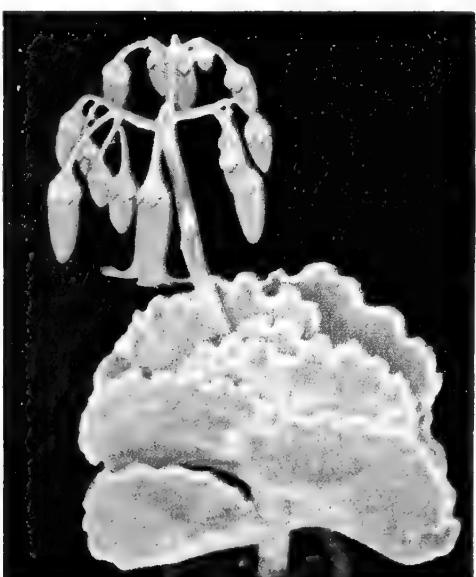
This is an exquisite almost scentless Starfish Flower. The blossoms of *Stapelia pulvinata* are heavily fringed with white or purple hairs. The center of the flower is completely hidden by soft, silky interlaced hairs of a lovely rosy tint. Truly an exquisite star. Sandy soil, moderate water. Flowers in July, August and September. Each.....

**50c**

### JOHNSON'S CACTUS COMPOST

For the convenience of our customers we have prepared a compost that with the addition of clean builders sand and crumbly loam will make an ideal soil for all kinds of Cacti and Succulents. One package makes from 5 to 8 quarts of soil. Very economical.

**2 pounds or 4 pints, postpaid.....** **75c**  
**Per Peck, postpaid .....** **\$1.95**



**SILVER CROWN**

The beautiful waved leaves of *Cotyledon undulatum* are thickly covered with white powder. Grows quite easily in sandy soil with moderate water. Is prettiest in full sun. Flowers in Summer time.

**25c**



**STONE FACE**

*Lithops pseudotruncatella* is one of the best mimicry plants, its brown coloring closely imitating the rocks among which it is found. A few well selected pebbles scattered on the surface makes the plant difficult to see. Grows readily in quite sandy soil.

Each.....

**35c**

### BOOKS

#### CACTI FOR THE AMATEUR

You will enjoy this book about your hobby. Interesting data on how to grow your plants with many illustrations of cacti. Soils, watering, grafting, seed planting. 110 colored pictures. Postpaid .....

**\$2.60**

#### SUCCULENTS FOR THE AMATEUR

800 Succulents described. 400 illustrations, 85 in color, 167 pages crammed with information. A worthwhile book if you want to get better acquainted. Postpaid .....

**\$2.60**

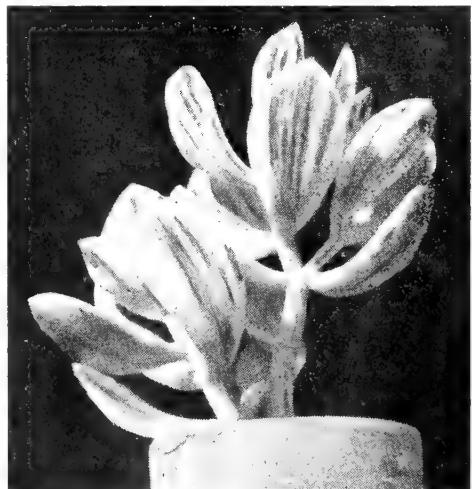


**CHENILLE PLANT**

At all seasons this is a dainty beauty, the leaves and stems densely covered with a soft plush of fine hairs and tipped and margined with rich red. *Echeveria pulvinata* flowers in mid-Winter, the bells large and brightest crimson. One of the prettiest things in our houses. Semi-shade, moderate moisture.

Each.....

**25c**



**TRICOLORED JADE PLANT**

A lovely rainbow hued succulent which will grow almost anywhere. This is a real beauty which will brighten up any group it is placed with. Leaves striped pink, yellow, green and cream. *Crassula argentea* var. tricolor will grow in sun or shade. Colors best with sun and poor soil. Moderate water-ing. Each.....

**35c**



**COOPER'S STAR FLOWER**

A very free flowering variety with handsome much spotted blossoms of a bright reddish brown. Makes a nice cluster and flowers readily in a 3 or 4-inch pot. Likes a sunny location to get the best in bloom. Each.....

**35c**

### JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add minerals ordinary garden soils often lack. A spoonful will often bring an ailing plant back to health.

**Small Size, 10 ounces, postpaid.....** **60c**  
**Large Size, 32 ounces, postpaid .....** **\$1.00**

At Right:  
**RESURRECTION PLANT**

Beautiful green fern-like plant and one of the oddities of the plant world. When you receive it it will be a close ball of dried brown leaves. But place it in a shallow dish of water and watch it unroll before your eyes into a lovely delicate fern! As long as it is kept moist it remains unrolled, but let it dry and back it goes to a brown ball again.

**25c**



**ARABS TURBAN**

Curious, odd and easy to grow. A choice beauty. Sandy soil and partial shade. *Crassula hemisphaerica*. Large. 35c. Each.....

25c

**CHAIN PLANT**

In Summer it throws out long runners bearing bright pink flowers. *Tradescantia navicularis* comes from Peru. Sun or shade. Each.....

22c

2 for ..... 25c

PRINCESS PINE  
Soft ferny green.

25c

EUPHORBIA FIMBRIATA

Each ..... 25c

FRINGED MILKWORT

Euphorbia fimbriata turns purplish red in cold weather. Choice, tree-like, branching.

35c and.....

25c

**PEARL ALOE**

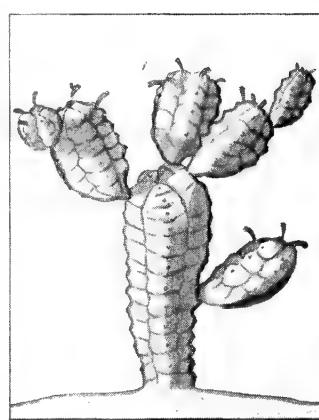
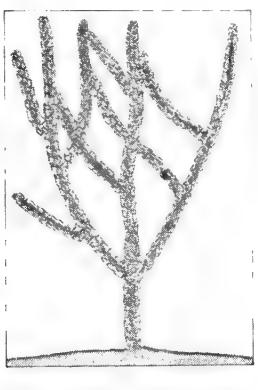
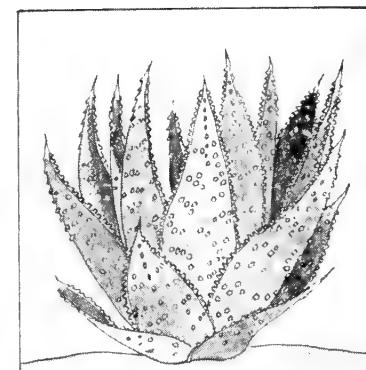
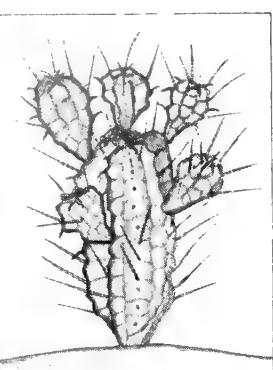
Each leaf is gemmed with tiny seed pearls. *Aloe Bequinii* enjoys a light loam soil, partial shade, moderate watering throughout the year. Fine. Each.....

35c

**JEWEL PLANT**

Lovely mimicry plant, often becoming highly colored in Winter. The rugose leaves are blue-green and white, the blossoms yellow. *Titanopsis calcareum* likes sandy soil, moderate waterings and sun. Each.....

25c



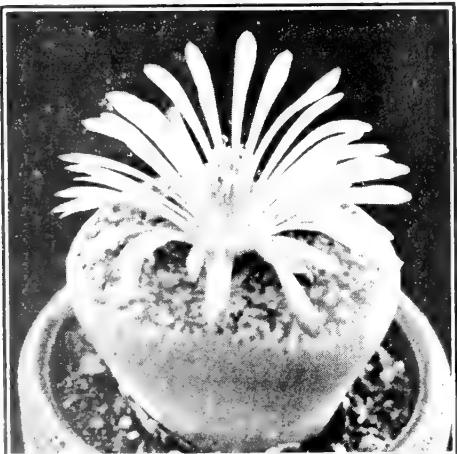
EUPHORBIA PSEUDOGLOBOSA

Each ..... 25c

**LITHOPS SUMMITATUM**

A charming Stone Face tan with dark brown, mottled windows. Lovely snow-white blossoms in October. Plant in sand or sandy soil. Nice plants. Each.....

30c

**STONE FACE**

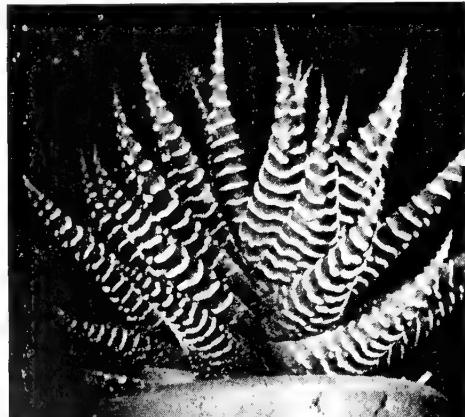
*Lithops Mundii* has long been an old favorite. Bright yellow blossoms in early Summer. Each .....

35c

**EUPHORBIA MELOFORMIS**

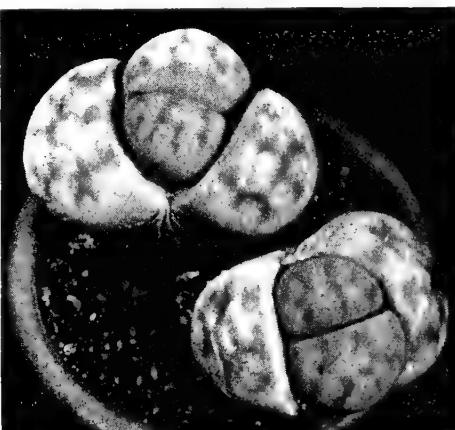
A choice collectors item. Forms nice clusters. Easily grown in sandy soil. Moderate watering. Each .....

75c

**ZEBRA HAWORTHIA**

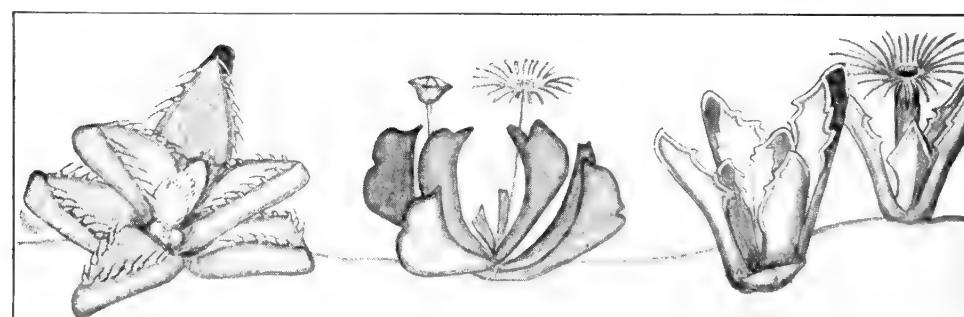
The charming Haworthia fasciata is quite rare and because of the pearly white lines banding the pointed slender leaves is much sought after. All Haworthias like quite sandy soil, in fact, grow splendidly in pure sand if fed our Cactus Food during the Spring. Nice specimens. Each.....

35c

**LITHOPS KARASMONTANUM**

Rosy tan bodies with darker mottling. Flowers sparkling white in October. Large, 75c. Each.....

25c

**RED TIGER JAWS**

A new and distinct innovation recently introduced by us. The leaves are tinged with red, particularly in the cold Winter season. Bright yellow flowers in September. Sun and light soil. Flowering size .....

35c

**SHRINER PLANT**

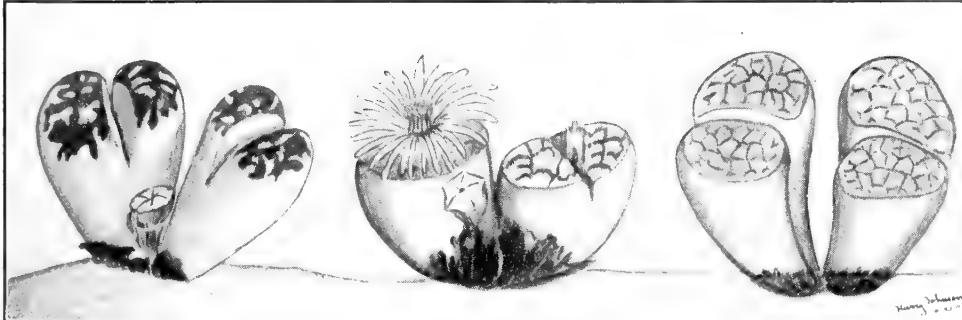
Odd scimitar shaped leaves. *He-roea Nelli* was named after a tribe of West Africa Negroes. Forms much branched clusters. Flowers yellow in Spring. Semi-sun with moderate watering. Flowering size .....

22c

**BANDED TIGER JAWS**

A well marked species *Faucaria albida* has blue-green leaves margined with white. Flowers large clear yellow in October. A collection of Tiger Jaws is very interesting. Flowers easily .....

35c



#### LITHOPS FRAMESII

A lovely species violet-grey with darker pattern. Flowers white in October. Nice.....

**35c**

#### LITHOPS URSLAEE

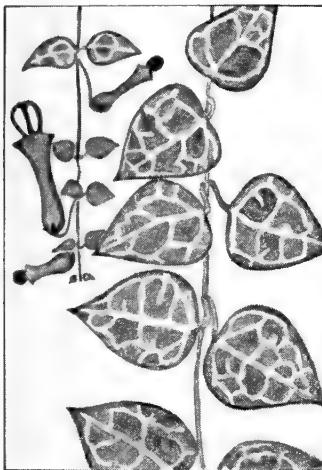
Charming rosy tan with darker rust colored incised lines. Flowers white in Sept. Each.

**35c**

#### LITHOPS FULVICEPS

The fat rosy beige leaves have an intricate pattern of brown lines. Flowers white. Each.....

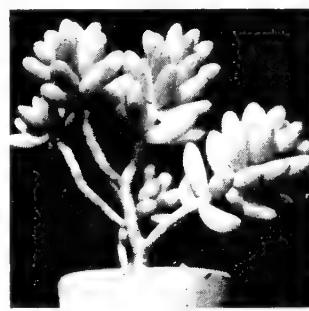
**40c**



#### CEROPEGIA BARKLEYI

Another Heart Vine with variegated leaves. Stems hang down. Potted, each.....

**35c**



#### CHRISTMAS CHEER

A very easily grown and colorful succulent. Colors bright red. Does best in poor sandy soil. Starve it to get brightest coloring. In shade turns green. Nice plants.....

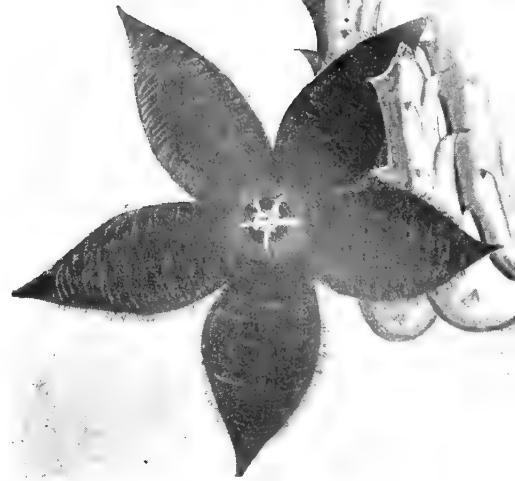
**22c**



#### COLD WORT

*Aloinopsis Schoonesii* is a very rare, slow growing plant for the collector. Flowers bright yellow. Roots thick, blunt. Sandy soil, moderate water and some sun. Each.....

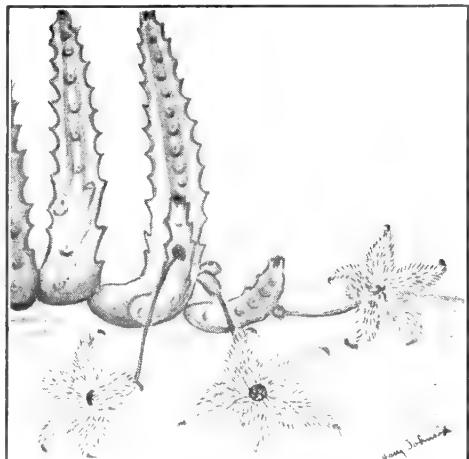
**75c**



#### BLACK STARFISH

*Stapelia berolinensis* has large purple black blossoms. It is one of the finest in bloom, flowering from Spring till late Fall. It enjoys a sandy loam soil, moderate waterings, and quite a bit of sun. Keep dry in Winter. Each.....

**35c**

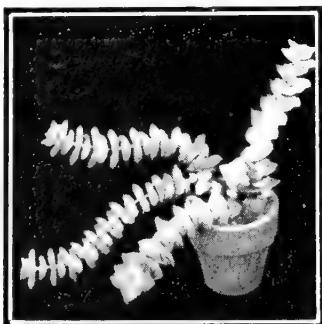


#### SNOWFLAKE STAPELIA

*Stapelia grandiflora*

Each miniature star as delicately molded as a snowflake. Flowers scentless, densely covered with white hairs. A sturdy but small plant, the feathery white stars produced in considerable abundance, each stalk bearing several during July, August and September. The plants form clusters and do not run over the edge of pot. A very rare African species. Quite sandy soil, moderate watering, sun. Flowering plants.....

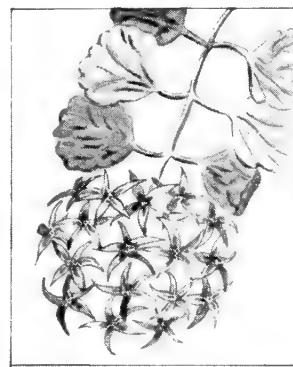
**40c**



#### NECKLACE VINE

A great favorite, easily grown, *Crassula perforata*. Each leaf pair joined together, the stem passing through like a string of beads. Each.....

**25c**



#### PINK CHAIN

A lovely pink flowered trailing vine. *Sedum Sieboldii* is hardy. Moderate watering. Each.....

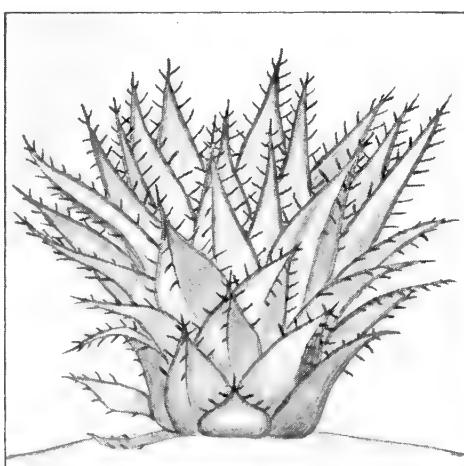
**35c**



#### JAPANESE PINE

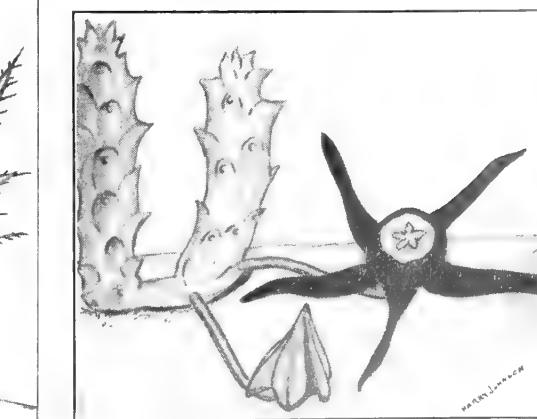
An old-fashioned plant, *Crassula tetragona* looks somewhat like a tiny green pine tree. Each.....

**22c**



#### LACE HAWORTHIA

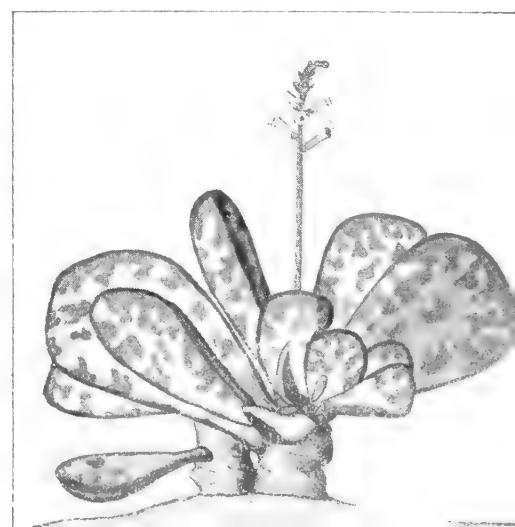
The lacy effect of *Haworthia setata* is produced by the white bristly teeth. The leaves are lined with transparent windows. Easily grown in quite sandy soil, moderate watering, partial shade. Keep dry in July and August. Fine. Each 50c and.....



#### DUVALIA RECLINATA

These odd blossoms are related to the Starfish. Flowers and bloom when quite small, generally in Fall and Spring, though there is hardly a day when they are not in bloom here. The flowers are almost black and lay flat on the ground. Sandy soil, moderate watering. Branched plants, each.....

**25c**





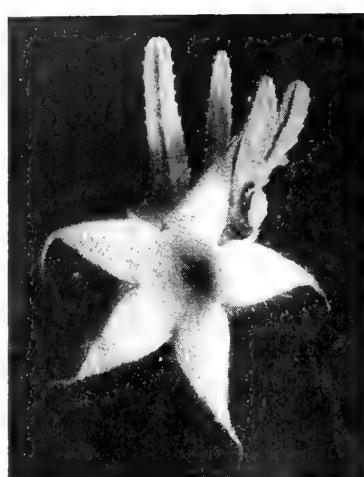
#### EUPHORBIA OBESA

A strange succulent from Africa. Plants are either male or female. Grows readily in sandy soil, moderate water and sun. Fine 75c plants. 75c and .....

**50c**

#### SCARLET PAINT BRUSH

The myriad scarlet blossoms are borne in flat topped corymbs in September. *Rochea falcata* grows easily for everyone. Good loam, moderate watering and semi-sun. Large 35c; 2-3-inch, each .....

**23c**

#### GIANT STAR FLOWER

One of the largest of all flowers, often 16 inches across! Will flower in 4-inch pot. *Stapelia gigantea* likes a sandy soil with crumbly loam, moderate waterings. Large, 5-6 inches, 50c; 3-4 inches .....

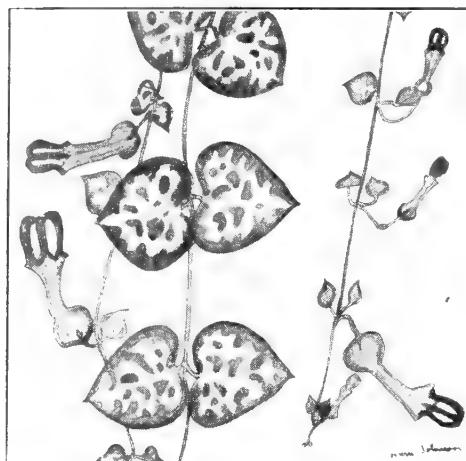
**35c**

#### CHRIST THORN

The lovely scarlet blossoms of *Euphorbia splendens* are familiar to all. Forms a well branched bush one to two feet tall, with bright green leaves. Likes a rich sandy loam and a generous supply of water, semi-sunny location. 10-14-inch, each, 50c; 6-inch.....

**35c**

**PAIRS.** Matched pairs of *Euphorbia obesa*. Blooming male and female plants. **Pair...\$4.00**



#### HEART VINE

A charming easily grown plant that springs from a small tuber. The heart-shaped leaves are in pairs and prettily marbled with silver. It likes to hang down in long trailing curtains, the curious blossoms appearing almost all the year. *Ceropegia Woodii* will thrive in sun or shade in any window. The tubers are easy to establish. Potted tubers.....

**35c**

#### WART PLANT

A great favorite and quite deservedly popular. The warts on the leaves are much whiter than shown. *Haworthia subfasciata* is quite easily grown. They like sand or sandy loam, a shady position and moderate water. Large 2 to 3-inch, 35c. Nice 1½-inch.....

**25c**

#### COLD TOOTH ALOE

A popular Aloe with golden teeth and tall spikes of red bells. Mature plants are 6 inches across. With age forms clusters. Sun or shade. 35c and .....

**25c**

#### Johnson's Vitamin B1 Tablets

##### For Use in Any Soil

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Particularly valuable to stimulate new root growth after transplanting.

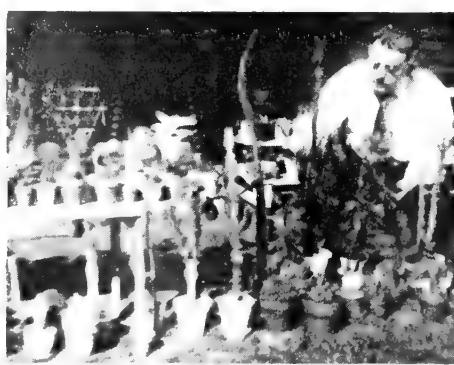
##### New Double Strength Tablets,

Bottle of 75 for ..... 50c



#### RAINBOW BUSH

A handsome rainbow hued plant of yellow, cream, pink and green. Each dainty leaf attached to the fat, mahogany red jointed stems. *Portulacaria afra* var. tricolor will stand out among the plainer greens. Light loam soil and generous treatment. 2½ to 5 inches, in pots .....

**30c**

#### AN INTERESTING COLLECTION

A part of the collection of Mr. Paul Pickering, Mansfield, Ohio. Mr. Pickering has a great number of very nice specimens. He says it is a pleasure to receive our plants, as they are nice and healthy.



#### AFRICAN LIVING ROCK

A fine, easily grown mimicry plant, *Pleiospilos nelii*. The grey green dotted leaves are carved from Vermont granite. Blooms in September. Thrives in very sandy soil with moderate watering and sun. 1 to 1½ inches .....

**25c**

## ECHEVERIAS

We have a nice selection of these pretty plants. *Echeveria Doris Taylor*, 35c. *E. exserta*, 25c. *E. microcalyx*, dwarf, 25c. *E. nobilis*, 25c. *E. nodulosa*, 35c. *E. Peacockii*, 35c. *E. pubescens*, 35c. *E. pulvicarn*, 25c. *E. pulvifox*, 25c. *E. pulvolver*, 25c. *E. recurvata*, splendid, 35c. *E. setoliver*, 25c. *E. Violet Queen*, 25c.

**Echeveria Collection R10.** 5 unlabelled. \$1.00  
**Echeveria Collection R11.** 10 labelled....\$2.25

## BEAD VINE

Similar to the Necklace Vine, but bears trusses of pretty pink flowers. Leaves joined together and passing through center like beads on a string. Each..... 22c

## CRASSULA LACTEA

Dark green leathery leaves with a row of tiny white dots on the margin. Large spikes of white blossoms in Fall. Much recommended. Each ..... 25c

## ODDS AND ENDS

### Collection P19

A grab-bag collection of plants, some with slight imperfections, plants left over from shipping tables, odds and ends. No two collections all alike. You will get your money's worth, often a lot more.

**12 Different Plants** ..... \$1.50



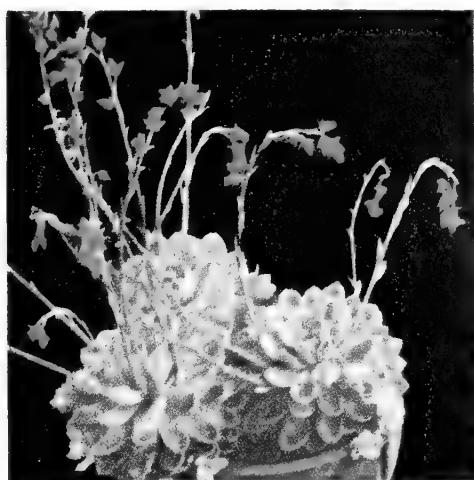
## PANDA PLANT

A very satisfactory plant, easily grown and very attractive. The leaves are covered with soft silvery plush stained at the margins with dark rust brown, a charming combination. *Kalanchoe tomentosa* is long lived, does not get leggy or over-grow, and forms a handsome specimen. A native of Madagascar, liking a sandy loam and to get the brightest coloring some sun. Moderate watering. Each..... 25c

## SUCCULENT COLLECTION

### Collection R12

50 different kinds of Succulents in a large range of variety. All of the main groups are represented in first class species, Crassulas, Pachyphytums, Echeverias, Sedums, Lithops, Pleiospilos, Euphorbiums, Stapelias, Haworthias, Aloes, etc. All labelled and separately wrapped. Postpaid..... \$10



## MEXICAN GEM

Close rosettes of powdered white spoon shaped leaves. The blossoms which appear in the Spring are charming. Colors are brightest when given plenty of sun. 25c  
*Echeveria elegans* is very easy to grow. Each.....



## LOVE PLANT

*Anacampseros lanceolata* bears lovely pink blossoms in Summer from small clusters of succulent lanceolate green leaves interspersed with long hairs. Each.....

25c

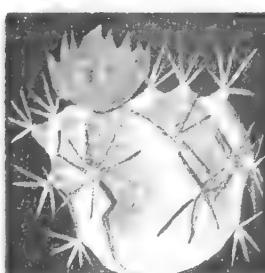
## SUPERB TIGER JAWS

The best form of *Faucaria tigrina* with blue green leaves margined with strong teeth, each leaf minutely speckled with white. This is the original form we have always propagated from cuttings. The large bright yellow flowers crown each head in September. Clusters, 35c. Nice flowering plants..... 25c

## CACTUS INSECTICIDES

**Red Arrow Spray** non-injurious to cacti and other house plants. **Special cactus pest instruction sheet and spray**..... 40c

**Volck.** An oil spray for mealy bug and all scale insects. An extremely effective insecticide particularly when used with Red Arrow. Full instructions. Per bottle..... 50c



## STAR CACTUS

Handsome golden blossoms. Plant spotted with white dots. Very choice..... 25c



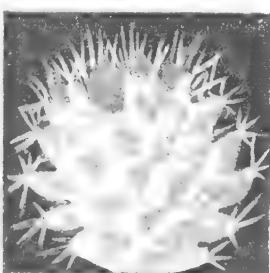
## STONE FACE

Lithops Peersii closely resembles beautifully marked pebbles ..... 40c



## OX TONGUE

Handsome succulents with spotted leaves. Tall spikes of pink blossoms ..... 25c



## DUMPLING CACTUS

Fine for small gardens, for it bears many red blossoms when quite young. Nice 25c

## BEGINNERS COLLECTION R9.

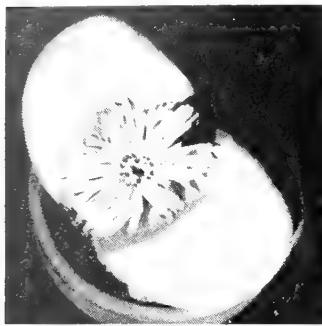
Five attractive plants for single small pots or may be planted as a dish garden together. Star Cactus, Stone Face, Ox Tongue, Air Plant, Dumpling Cactus. Postpaid ..... \$1.00!



#### ORANGE BABY TOES

The Window plants are very curious. Each leaf is tipped by a transparent pane which filters the intense desert sunlight! The plant naturally grows buried in sand, the tips only exposed often only the blossoms are seen. In cultivation the plants are not buried. Flowers orange yellow. Special cultural instructions included. Potted.....

**50c**



#### SILVER SKIN

These plants mimic the quartz pebbles among which they grow. They flower in October, yellow copper or full sun and sandy soil. Each pink Angyoderma testiculare likes

**25c**

#### BURRO TAIL

A lovely plant whose lambent, pendulous tassels of palest silver have won it a place in the choicest collections. It was first found growing in a basket at an Indian hut in its native mountains of Mexico. Sedum Morganianum makes perfectly glorious specimens. The tassels on old plants may reach 3 feet in length and there may be a dozen of them. Likes some moisture and not too much sun. It is not choosy. Each 35c and.....

**50c**

#### TITANOPSIS SETIFERA

Another Jewel Plant with granulate green leaves. A choice collectors item. Flowers copper yellow. Each.....

**50c**

#### TITANOPSIS PRIMOSII

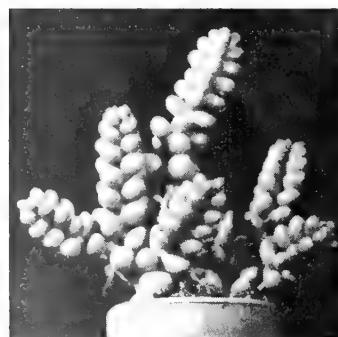
This Jewel Plant has white granulate leaves and is quite rare. Each .....

**50c**

#### ARGETA PETRENSIS

A rare small mesemb, blue white pebble-like clusters and pink flowers. Makes very nice specimens. Branched, each .....

**30c**



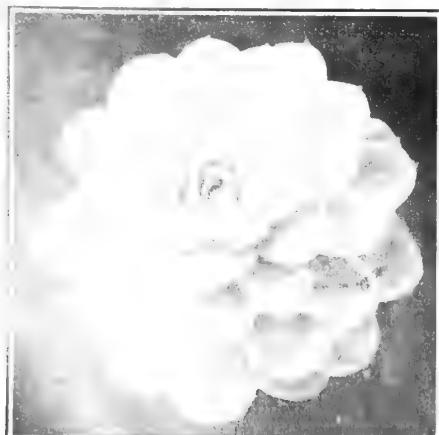
#### CORAL BEADS

Every bead is brightest red. Every bead that falls will grow! Sedum Stahlii colors brightest in the sun. Each.....

**20c**

#### ECHEVERIA CILVA

Rose-like big green roses. Quick growing, eventually forming clusters, the little ones crowding about the skirts. A good plant, easily grown, doing well with waterings. A fine old-fashioned favorite. Sandy soil, 25c

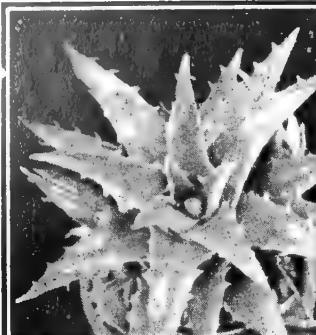


#### TONGUE LEAF

Curious tongue-shaped leaves. Large yellow blossoms in Winter. Glottiphyllum linguiforme likes sandy soil and sun.

Each.....

**25c**



#### PINEAPPLE DYCKIA

Bright glossy green leaves and lovely spikes of rich orange red blossoms in Spring. Grows anywhere. Like water, sun or shade. 2-3 inches

**25c**



#### COCONUT PALMS

Looking for all the world like miniature cocoanut palms. A cluster in a brightly colored dish makes a very pretty ornament. Produces young plants on the leaves. 2 for.....

**25c**



#### PRETTY PEBBLES

A short, squat trunk, the branches bearing plump silvery green leaves mottled with maroon. Adromischus clavifolius likes moisture and either sun or shade. Large 35c. Nice.....

**25c**



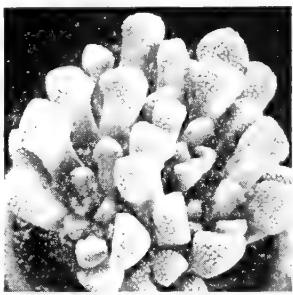
#### WHITE JEWEL PLANT

##### *Titanopsis Schwantesii*

A choice succulent whose pure white leaves are pebbled at the tips. A mimetic plant growing wild in crevices of limestone rocks where it is almost invisible. Pretty yellow flowers. Likes a sandy soil, moderate watering and some sun.

Plants .....

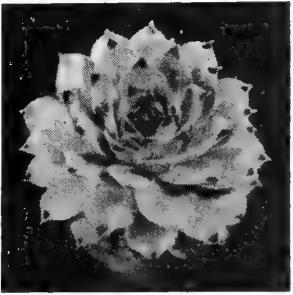
**35c**



#### HOUSE LEEK

A quite hardy plant outdoors in the north. Leaves pale green tipped with red in a lively way. In Europe they are planted on the roofs of sod houses. Sempervivum calcareum likes moderate waterings. Each .....

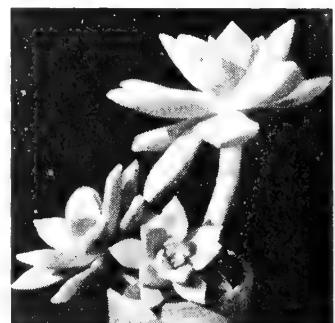
**25c**



#### PYGMY WINDOW PLANT

A charming window plant with a pretty, lacy pattern on the flat topped, wedge-shaped leaves. Haworthia turgida grows best in almost pure sand with some soil added. Moderate waterings and not too much sun will bring out the pattern brightly. Each.....

**25c**

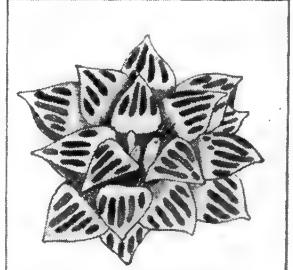


#### HOST PLANT

An old favorite that I can thoroughly recommend. The white leaves are often tinged with violet or copper and each leaf will grow if placed in shade. A good plant.

Each.....

**25c**



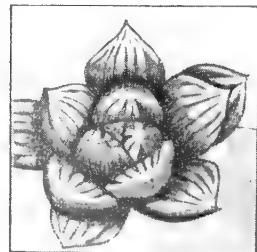
#### PLEASED WITH PLANTS

I just can't express my appreciation for the lovely collection of cacti. They were so sturdy and well rooted. I now have 230 different kinds. Am very proud of my collection and there are several more I will send for later.

MRS. PAUL PULS,  
Lenox, Michigan.



The collection of Mrs. Mary Fix, of Winona, Minn. She has been well pleased with her four orders.



#### WINDOW PLANT

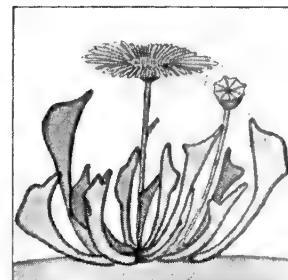
The flat tipped leaves are prettily patterned with lacy panes. Haworthia cuspidata with its fresh green leaves is charming. Sandy soil, semi-shade.

**25c**



### PACHYVERIA GLAUCA

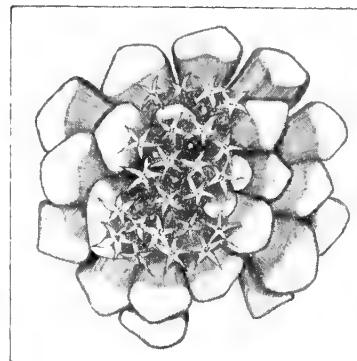
The leaves are a lovely dove grey with violet and white shadings. Each leaf if placed on sand will form a small plant. Each.....



### MOOSE HORMS

A small plant with odd antlered leaves in a close rosette. In Fall Herreya Dyeri bears daisy-like yellow blossoms. Each....

**20c**



### FOAM FLOWER

A very rare mimicry plant, Crassula mesembrianthemoides. Lovely fragrant white "shaving brush" flowers borne in December. The top of the plant is almost level with the soil. The triangular truncated leaves are sand paper tipped. You will enjoy this odd gem. Keep dry in July and August. Each

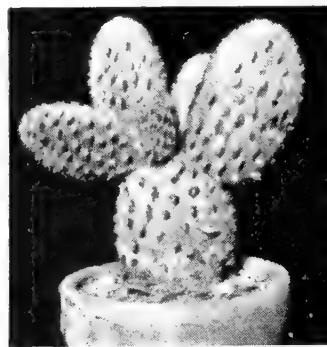
**50c**



### TIGER ALOE

An old favorite and still one of the prettiest succulents we have. Aloe variegata has brightly marbled green and white leaves with white margins. In January it bears spikes of large red blossoms. Very sandy soil, moderate water, semi-shade. Nice specimens, 50c, 35c and.....

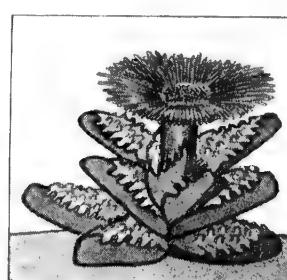
**25c**



### BUNNY EARS

An old cactus favorite. The ears are dotted with areoles of golden glochids. Opuntia microdasys grows well in sandy soil. Ours are dwarf plants, well branched. Each.....

**25c**



### KNOBBY TIGER JAWS

Each leaf bears white tubercles on the upper surface and teeth on the margins. Faucaria tuberculosa has yellow flowers. Sandy soil, sun or shade, not too much water. Each.....

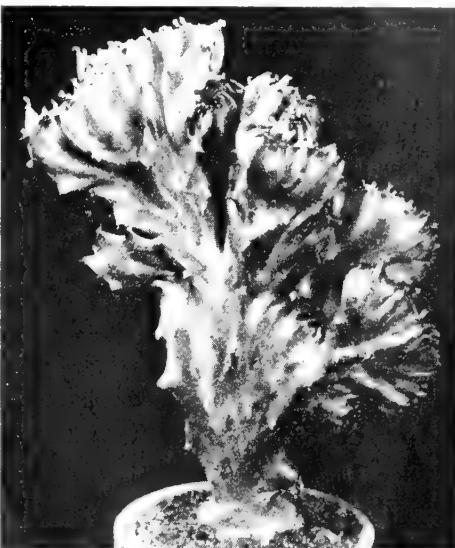
**25c**



### ECHEVERIA SPRUCEANA

A very pretty Echeveria which turns quite wine red in the sun. This is a hybrid from the true species. Sandy loam, sun or shade. Each.....

**25c**

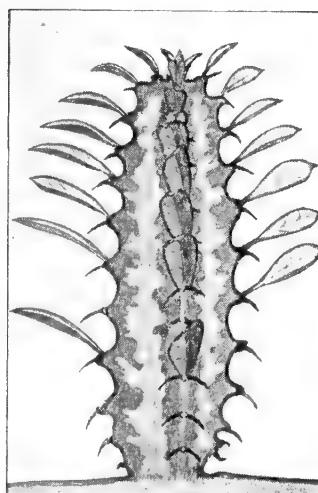


### ELK HORN EUPHORBIA

Euphorbia lactea cristata

A rare and attractive cristate plant. All collectors treasure these crests for their beauty and curious growth. A real collectors item. Only a few plants. Grows to 3 feet in height, making a noble specimen. Fine crests, 4 to 5 inches, \$1.50; 3-inch, \$1.00; 2 to 3 inches

**75c**



### MILK TREE

Euphorbia Hermentiana should certainly be among those you first acquire. Grow quickly in sun or shade. Lovely green and white. Nice 4-6 inches.....

**25c**



**PINK BUTTONS**  
*Crassula marginata.* Easily grown.....



### SILVER BEADS

Quite powdered white fat leaves. Crassula deltoidea branches freely, forming nice specimens. Nice trusses of pink urn-shaped flowers in Fall. Likes a rather poor soil and sun to color best and flower well. Each.....

**25c**

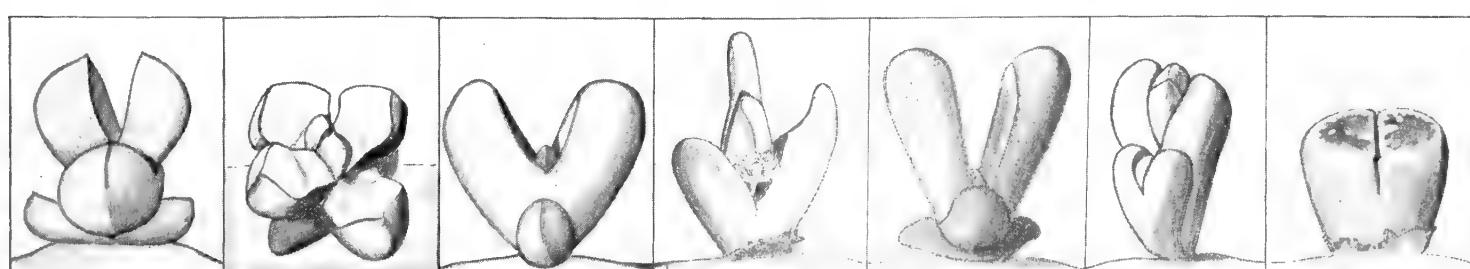
## LIVING ROCK DISH GARDENS

### MIMICRY PLANTS COLLECTION R14

A fine collection to be planted in a bowl 6 inches in diameter. Plant in sandy soil, covering the surface with pebbles and small stones to demonstrate the curious mimetic quality of the plants. A sunny location and very moderate watering. African Living Rock, Flowering Stone, Karroo Rose, Silver Skin, Pleiospilos, Hilmar, Jewel Plant, Split Rock.

**SEVEN ROCK-LIKE PLANTS.....**

**\$1.50**



### DINTERANTHUS PUBERULUS

Charming African Stone Plant, leaves white tinted pink. Blossoms bright yellow in Fall. Fine. Large.....

**25c**

### KAROO ROSE

The lovely Lapidaria Margaretae with carved white leaves flushed with rose. Golden blossoms borne in September. Fine plants.....

**25c**

### FLOWERING STONES

Dinteranthus inexpectatus closely resembles the white pebbles among which it grows. Golden flowers. Fine.....

**25c**

### GIBBAEUM

Curious mimicry plants with rosy lilac flowers and very unequal leaves. Form clusters of fat white leaves. Each.....

**35c**

### PLEIOSPILOS HILMARI

Fat copper-red leaves like jasper pebbles. Large golden blossoms borne from August to September. Nice colored plants. Each.....

**25c**

### PEBBLE PLANT

The Rimarias are like smooth green chert pebbles. Cluster forming. Flowers white or pink. Nice plants, ea.....

**25c**

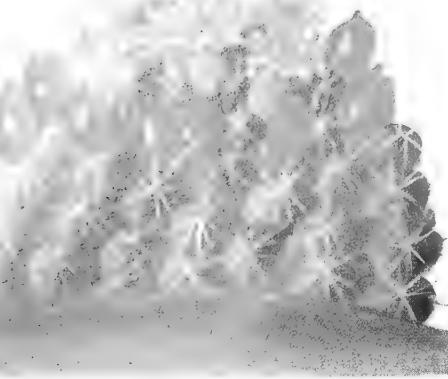
### STONE FACE

Lithops are the jewels among succulents. Lovely patterned windows on top in brown, grey, rust red, white or green. Just like colored pebbles. Nice plants, ea.....

**25c**

# Mamíllarías

## or Pincushion Cacti



**CORAL CACTUS**

The Coral Cactus is one of the prettiest of all with its scarlet or coral red berries and pretty cream blossoms. The berries break forth ripe and red, taking only a day or so to appear, as they mature within the plant from the earlier blossoms. Mature 2-3 inch fruiting specimens.....

50c



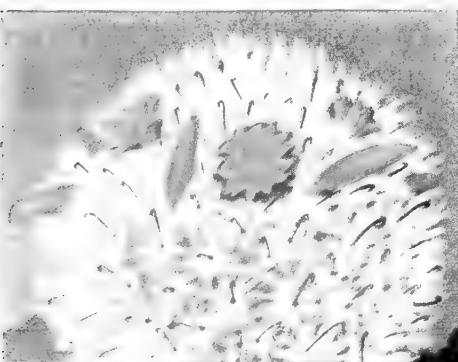
**CRESTED BOXING GLOVE**

A curious crested cactus assuming odd shapes. Collectors are always on the lookout for crested plants and *Opuntia mammilata cristata* is a good one. It is slow to propagate and we have only a limited number. 2 to 3 inch.....

40c

### MAMILLARIAS General Collection

<i>Mamillaria angularis.</i>	Handsome with much white wool in the axils. 1½-inch, 50c; smaller.....	35c
<i>Mamillaria arida.</i> Rare .....	50c	
<i>Mamillaria balsasensis.</i> Fine .....	75c	
<i>Mamillaria bocasana.</i> See below .....	25c	
<i>Mamillaria Brandegeii.</i> Rare .....	50c	
<i>Mamillaria Bravoa.</i> Lovely white spined species .....	30c	



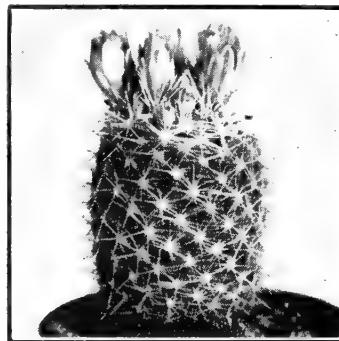
**POWDER PUFF (Mammillaria bocasana)**

a bit like a cotton ball this little plant is clothed in white hair instead of spines, though tiny hooked ones on each slender nipple. Adored flowers and very attractive bright red/pink. A jewel among cacti. Very easy to sun or partial shade, moderate waterings. New plants to 1½ inches.....

25c

### MEXICAN JEWEL COLLECTION R15.

diameter for a Dick Garden. The set, postpaid.....



**LADY FINGERS**

### Mammillaria elongata Schmollii

A dainty gem and so easy to grow. Each little plant is a bright mosaic of rich golden, harmless spines. Quickly forms fine specimens. Small clusters, 35c. Single heads.....

25c

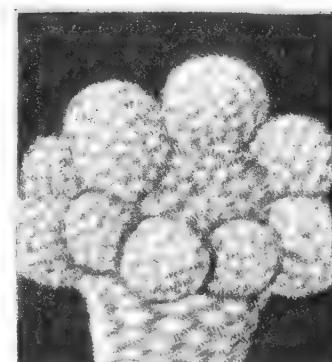


**THIMBLE CACTUS**

### Mammillaria fragilis

Like the "Old woman who lived in a shoe" this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each.....

25c

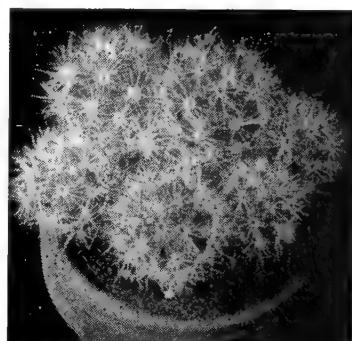


**RUBY DUMPLING**

### Mammillaria tetracantha

A quick growing cactus with bright crimson flowers and, with maturity, a hoary white head. It has long been a favorite with sturdy growth and vigor. 1½-inch, 35c. Nice 1-inch.....

25c



**Grape Cactus**

### ESCOBARIA TUBERCULOSA

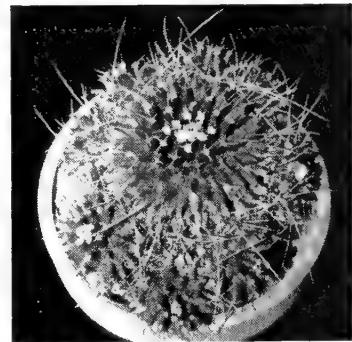
The pink striped flowers appear in early Spring. It is related to the Mamillarias and requires same care. The plant often branches, forming small clusters. Easy to flower. Seed pods light crimson. Each....

25c

### GRAPE CACTUS

A dainty tiny cactus bearing an endless number of "pups," each one of which will grow. Your friends will enjoy growing a youngster. *Mamillaria multiceps* has cream blossoms followed by scarlet pods. Clusters.....

23c



**Mamillaria bucareliensis**

### MAMILLARIA PSEUDOCRUCICERA

A pretty white, short spined species. Crowned in Spring with a chaplet of pink blossoms. The heads divide into 2, 3 or 4 "eyes." Slow growing. Plants 2-inch flowering.....

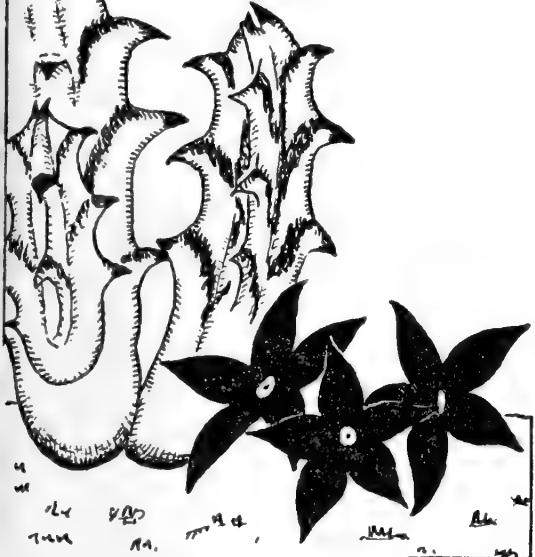
50c

### MAMILLARIA BUCARELIENSIS

A newly introduced species with wide based, low, conical tubercles and long curved, dark spines in mature plants. It is a cluster forming species. Grows rapidly. Nice young 1-inch plants.....

25c





## CACTUS SEED

Cacti grow readily from seed which germinates in from 7 to 30 days, depending upon heat and moisture conditions. You will enjoy trying your hand at growing them. Fresh seed from our own plants. Full planting instructions with every order.

### MIXED CACTI SEED

Contains more than 20 kinds, including Mamillarias, Cerei, Echinopsis, Piptanthocerei, Trichocerei, Cleistocacti, Echinocereus, Echinocacti, etc. Fresh seed. You will have fun growing them. Per packet.....

**50c**

### DE LUXE MIXTURE

Superb mixture made up of over 75 species of cacti and succulents. There are no weedy species included. Many are rare kinds collected from our own plants. All cacti seedlings are pretty and many bloom within two years. Put up in two packets of fine and coarse seeds. The collection.....

**\$1.00**

### MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds are grown by us. Pleiospilos, Dinteranthus, Lithops, Lapidaria and many others are included in this selection. Per packet.....

**50c**

### MINIATURE CACTI SEED

A choice mixture of the finest toy cacti, including rare Parodias, Notocacti, Gymnocalyciums, Mamillarias, Echinopsis, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. Per packet.....

**50c**

### CHOICE SUCCULENTS

A fine mixture containing many rare species of Mesembrianthemums, Crassulas, Cotyledons, Echeverias, Anacampseros, Aloes, Gasterias, etc., from our huge collections. All collected from our own plants. Many interesting things. Per packet.....

**50c**

### MIXED PINCUSHION SEED

Mamillarias are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per packet.....

**25c**

### STONE FACES MIXED SEED

The Stone Faces or Lithops are the prizes of any collection. These handsome, interesting and entirely novel plants germinate quickly. You will have seedlings in two weeks! Approximately 100 seeds.....

**25c**

### GIBBAEUM DISPAR

A very rare and pretty mesemb forming tight clusters. Leaves white powdered, very short and succulent. In the Fall bright pink blossoms. Plants each.....

**75c**

*Gibbaeum Braunsii.* Rare. White leaves....

**75c**

## The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus greatly reducing the danger of overwatering. This is of particular interest to collectors who live in damp, foggy or rainy places. Many choice or difficult plants thrive under this treatment for cactus roots when well fed enjoy spreading in the air filled sand.

### VITAMIN B-1

#### Johnson's Own B-1 Tablets For Use in Any Soil

Works miracles on Cacti and Succulents, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on cacti report wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting.

**75 Double Strength Tablets with Full Instructions. Postpaid.....**

**50c**



### PLANT-CHEM-SALTS

#### Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a vigorous normal growth. Contains in scientific proportions the thirty chemicals needed in the growth of all plants.

16 gallon package, post-paid .....	30c
100 gallon package, post-paid .....	\$1.10
400 gallon package, post-paid .....	\$2.10

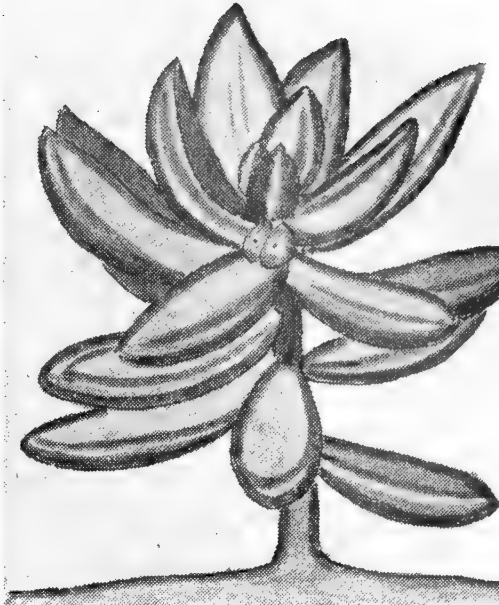


### JOHNSON'S SAND CULTURE KIT COLLECTION H23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where Winters are long and damp.

**Full instructions. 16-gallon package Plant Chem.  
75 Johnson's B1 Tablets. 50c package Cactus Food.....**

**\$1.20**



### CHRISTMAS GOLD

A very pretty golden leaved plant. Very easy to grow, and leaves are always golden. In full sun they become bronze gold. Every collection should have one. Does well in good loam soil. Sedum Adolphi will grow well in a quite shady place. Each.....

**25c**

**New Bronze Hybrid. Christmas Bronze. Lovely variety with darker bronze tints. Vigorous. Each.....**

**25c**

### ALOE

There are many fine species of Aloes noted for their splendid flowers or handsome foliage. Easy to grow, some attaining tree proportions, some quite dwarf.

*Aloe africana.* Tree type to 10 feet. Quick grower. Lovely flowers. **25c.** *A. ausana.* Spotted leaves. **35c.** *A. brevifolia.* Crocodile Aloe. Dwarf. **35c.** *A. Dinteri.* Rare striped leaves. Fine. **50c.** *A. longistyla.* Sun Bird Flower. Large salmon yellow flowers. Dwarf. **35c.** *A. plicatilis.* Rare small tree type. Handsome smooth 2-ranked leaves. Large. **\$1.50.** *A. pratensis.* Rare. **40c.** *A. spinosissima x longistyla.* Lovely large flowered hybrids. **50c.**

### ANACAMPSEROS

Anacampseros are all nice pot subjects, forming small clusters of short succulent leaves. These we offer are flowering types, living for many years, increasing slowly. Sandy soil, moderate watering and some shade during hottest part of the day.

*Anacampseros filamentosa.* Coppery green leaves and very pretty bright pink blossoms in Spring. **35c.** *A. lanceolata.* Love Plant. Short stemmed fascicles of green leaves and large pink blossoms like single roses. **25c.** *A. rufescens.* Coppery green leaves, fine pink blossoms. **35c.** *A. tomentosa.* Woolly Sand Rose. Leaves covered with fine wool. Nice 4-year-old plants. **35c.**

### SENECIO

The Senecios (or Kleinias) are interesting plants for the collector. They vary greatly in habit and appearance.

*Senecio fulgens.* Stems swollen at base. Leaves large. Flowers in December. **75c.** *C. scaposus.* Stemless rosettes of white cylindric leaves covered with white felt. Very scarce. Each **75c.** *S. stapeliiformis.* Curious variegated, leafless, finger-like stems. **35c.**

### EUPHORBIA

One of the largest of all genera of plants. Many are amongst our prettiest and most sought after succulents. We have a very large collection of rare species.

*Euphorbia acruensis*, **75c-\$1.50.** *E. antiquorum*, **50c.** *S. Bojeri*, **50c.** *E. bubalina*, **35c.** *E. canariensis*, **75c.** *E. caput-commelinii*, **75c.** *E. coeruleascens*, large, **\$1.50.** *E. echinus*, **35c.** *E. enopla*, **40c.** *E. ferox*, **75c.** *E. fruticosa*, **75c.** *E. globosa*, **50c.** *E. heptagona*, large, **\$1.00.** *E. Hislopia*, **\$1.00.** *E. horrida*, **\$1.50.** *E. inermis*, **\$1.00.** *E. ingens*, **\$1.00.** *E. lactea*, **50c.** *E. Moringii*, **75c.** *E. officinarum*, **75c.** *E. ornithopus*, **75c.** *E. polygona*, **50c.** *E. pseudocactus*, **40c.** *E. Royleana*, **\$1.00.** *E. resinifera*, **35c and 50c.** *E. Susannae*, **\$1.00.** *E. tridentata*, **75c.** *E. tubiglans*, **75c.** *E. valida*, **75c.** *E. Winkleri*, **\$1.50.**



### TIGER JAWS

The Fauarias are a most interesting and free flowering group with queer, toothed and often spotted leaves. Flowers large and bright yellow, produced in great profusion in September and October. Sure to bloom.

Faucaria acutipetala.	Long teeth.....	.35c
F. albidaens.	White rimmed.....	.35c
F. arrabidae.	Small compact clusters.....	.35c
F. Blue Queen.	Hybrid. Blue green.....	.35c
F. Bosscheana.	White rimmed. Small clustered .....	.35c
F. carinata.	Short thick leaves.....	.35c
F. cradockensis.	Heavily toothed.....	.35c
F. felina-Jamesii.	Much toothed.....	.35c
F. longidens.	Slim green leaves.....	.35c
F. longifolia.	Slim bluish leaves.....	.35c
F. lupina.	Long heavy teeth.....	.35c
F. Ryneveldiae.	Long slim leaves.....	.35c
F. sulrueteria.	Heavy thick leaves.....	.35c
5 Varieties My Selection.	Nice Plants.....	\$1.50
10 Varieties My Selection.....		\$2.50

### TERMS

This catalog cancels all previous catalogs and prices. Please do not order from old catalogs, as plants are often out of stock.

#### I GUARANTEE SAFE DELIVERY

#### ANYWHERE IN U. S. OR CANADA

No Shipments During December Because of Crowded Christmas Mails and Cold Weather.

MINIMUM ORDER FOR FREE DELIVERY IS \$2.00. Orders for less must include 50c extra to cover packing costs.

FREE DELIVERY on all orders amounting to \$2.00 or more.

HOW TO REMIT: By check, postal note, money order or stamps. When stamps are sent I appreciate larger denominations. 10c and 25c.

#### NO C.O.D. ORDERS ACCEPTED.

HOW WE SHIP. By guaranteed Parcel Post, which delivers directly to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in strong, especially made boxes, heavily insulated from cold and clearly marked Rush—Perishable—Tender Plants.

OWING to our doubled costs and very low prices we have had to raise our minimum free delivery order to \$2.00. Otherwise we would have to raise all catalog prices. Orders for less than \$2.00 please add 50c for packing.

#### MAY WE SUBSTITUTE IF OUT?

We have fine stocks of all items offered, but owing to the great number of items listed we ask if you will add to the bottom of your list two or three second choices.

### CACTUS HELPS

#### COLLECTION P21

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Cactus Compost.

Johnson's Cactus Food.

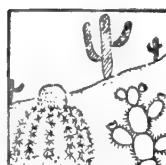
Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

Cactus Insecticide and Leaflet.

50 Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid..... \$3.00



# SUPPLIES for CACTI

Few things are needed in the growing of cacti more than interest and a desire to form an increasing collection of them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

### JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base, the ingredients of which are blended and proportioned to help your plants to make normal matured flowering growth. It is not a soluble fertilizer but should be scattered over the soil, a level teaspoonful to a 4-inch pot, three or four times during the growing season after the plants are well established.

Use only during the growing season. Light applications once a month are more effective than heavy applications.

12-ounce Bag .....	50c
2-pound Bag .....	\$1.00

### ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Package..... 50c

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### JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces, Postpaid.....	60c
Large Size, 32 Ounces, Postpaid.....	\$1.00

### JOHNSON'S CACTUS COMPOST

#### Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our re-cleaned sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

Per Peck, Postpaid .....	\$1.95
4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid.....	75c

### OUR SPECIAL CACTUS LEAFMOLD

A re-cleaned, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid.....	70c
--	-----

### HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart .....	40c
-----------------	-----

### CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray. Postpaid .....	40c
---	-----

VOLCK SPRAY. An oil spray recommended for any kind of scale insect and for mealy bug. These two insects are hard to kill, as they have a waxy covering which repels water. We have used it for years, but only recently has it been put up in small bottles. 4-ounce bottle prepaid (with orders only) with chart describing cactus pests. Full instructions for use..... 50c

### BLACK ROT PREVENTIVE

With light waterings, fresh air and sun rot will not appear. If through too much watering plants turn black and watery its spread may be checked by saturating the top soil with a Semesan solution. It is useful also to spray tiny seedlings to prevent "damping off" or rotting.

1/3-ounce envelope, with cactus instructions .....	20c
2-ounce pkg., with cactus instructions.....	50c

### JOHNSON'S VITAMIN B1

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Our customers report success, particularly when used on old plants. Also to stimulate new root growth after transplanting.

75 Double Strength Tablets, with full instructions for Cacti. Bottle.....	50c
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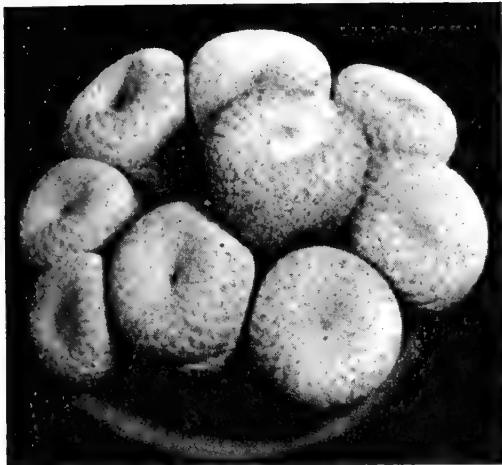
### PLANT CHEM SALTS

Cacti grown in pure sand and watered regularly with this nutrient solution make healthy vigorous growth. An occasional watering of all your house plants will supply the rare minerals sometimes lacking.

16-gallon pkg., with full instructions.....	30c
100-gallon pkg., with full instructions.....	\$1.10







#### BUTTON CACTUS

The Button Cactus looks just like a Mamillaria, though it is more closely related to the Echinocacti. The whole plant is white, though the spines are too tiny to be visible. *Epithelantha micromeris* is native to Texas. The pink blossoms are followed by scarlet berries which appear in a cluster right out of the very top. Quite scarce now. A few clusters, 30c. Mature small plants, each.....

30c

**Mamillaria Bullardiana.** Pretty hookspined species. Tall branching. Clusters, \$1.50 and \$1.00. 2-inch.....

40c

**Mamillaria calacantha.** 2-3 inch, \$1.00. Nice.....

25c

**Mamillaria carnea.** Pretty pink flowers.....

25c

**Mamillaria carnea rosea.** Each.....

35c

**Mamillaria centricirrha rosea.** Each.....

40c

**Mamillaria chionocephala.** Nice.....

35c

**Mamillaria compressa.** Green with whitish spines.....

25c

**Mamillaria confusa.** 2-inch flowering, 50c. Smaller.....

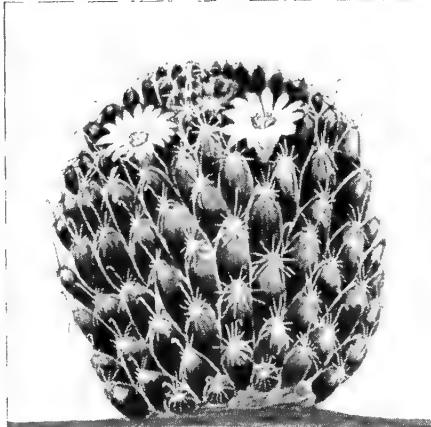
25c

**Mamillaria dumetorum.** Rare species.....

35c

**Mamillaria durispina.** 1½-inch, 35c. Small-er.....

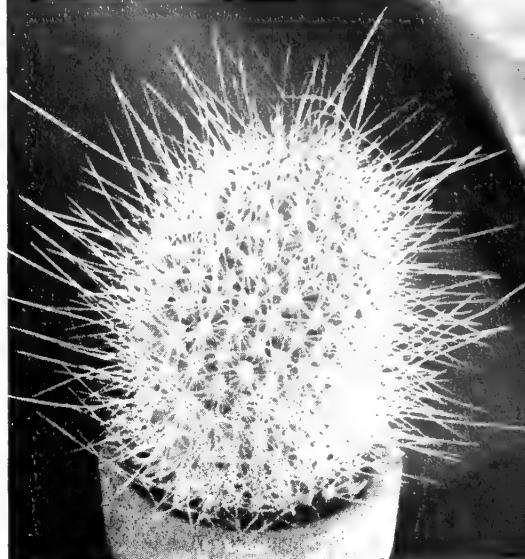
25c



#### MORNING STAR CACTUS

A pale green plant with tiny hooked spines. *Mamillaria pygmaea* flowers freely in the Spring and is very pretty. The bright red berries follow shortly. It has fat, stubby roots. Thrives in partial shade with moderate watering. 35c and.....

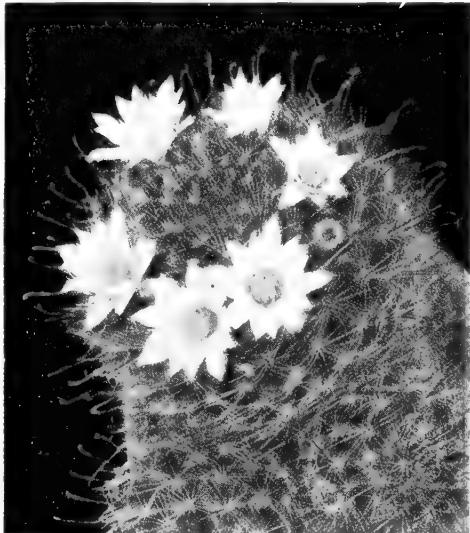
25c



#### GRIZZLY BEAR

*Opuntia ursina* grows in our driest California hills, the plants snow-white, like sheep grazing on the hill-sides. It is quite scarce now. A very choice addition to your long haired Old Men Cacti. Plant in sand and charcoal. Each.....

35c



#### FISH HOOK PINCUSHION

An extremely free flowering little plant. *Mamillaria Wildii* is always a favorite. The spines are harmless, with one tiny hooked one tipping each nipple. Grows and flowers in sun or shade. Sandy soil and moderate waterings. Nice, 35c and.....

25c

**Mamillaria ebenantha.** Rare. Bright green with dark spines. Flowers red.....

25c

**Mamillaria elegans.** Silver Pincushion. Lovely white spined species with black centrals and bearing dark pink blossoms. 2-3 inch, 75c. 1 inch.....

35c

**Mamillaria elegans potosina.** Handsome...35c

**Mamillaria elegans Schmollii.** Quite white, with black tipped centrals.....

25c

**Mamillaria Fischeri.** Rare pretty species...35c

**Mamillaria flavovirens.** Quite rare. 1½-2 inches.....

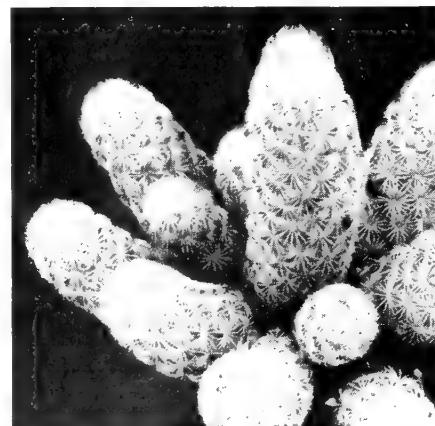
50c

**Mamillaria fulginosa.** Tall growing, solitary stem, dark green. Spines dark. Flowers red. 35c and.....

25c

**Mamillaria Galeottii.** A distinct and hand-some variety with long curved chestnut spines. Orange red flowers. Quick grower. 1½-inch, 35c; smaller.....

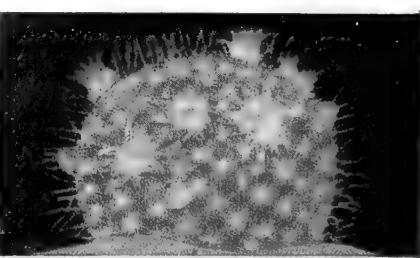
25c



#### LADY FINGERS

One of the daintiest of all, with golden yellow spine clusters tipping each nipple. Branches very freely, well grown specimens may have 100 arms, which maintain their bright clear golden color for many years. Often produces 5-10 arms the first year. Nice clusters, 3-5 heads, 35c; 6-10 heads, 50c; single heads.....

25c



#### PEANUT CACTUS

The Cotton Cactus is covered with woolly white hair. *Mammillaria longicoma* grows rapidly and may reach a diameter of 2 inches. Flowers cream, followed by long, curving dark red berries. Moderate waterings and a light location. Larger specimens, 35c. One inch.....

25c

#### PINCUSHION

Easy to grow fast, forming many headed specimens. Flowers large, bright red. Each.....

25c

#### BIRD'S NEST

Grows quickly in sun or part shade. Flowers when small. Each.....

25c

#### RED DRAGON FLOWER

Curling yellow spines. Long slim nipples. Flowers yellow. Each.....

25c

#### CHRISTMAS CHEER

Cluster forming. Flowers red and black. Each.....

25c

#### FLOWERING PIN CUSHION

Handsome carmine flowers in Spring. Easy to grow and flower. The Mamillarias are very satisfactory for the beginner. Nice plants, each.....

25c

**CURIOSITY COLLECTION No. R16.** The above six plants. You will enjoy planting this easily grown group in a pot or bowl for a cheerful breakfast nook. All six.....

\$1.25

*Mamillaria Lloydii*. Many short nipples, 1½-inch ..... 35c

*Mamillaria melanocentra*. Long central spines tipped with black. Rose red flowers, 2-3 inches flowering ..... 75c

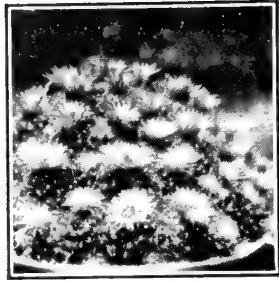
*Mamillaria microhelia*. Lovely golden yellow spines. A handsome small plant ..... 25c

*Mamillaria mystax*. A handsome flowering species. 3-in., \$1. Smaller .50c

*Mamillaria nigra*. Flowering, 2-3 inch, 50c. Pretty young 1-inch plants, ea...25c

*Mamillaria Parkinsonii brevispina*. Fine white spined variety ..... 25c

*Mamillaria phaeacantha*. Nice bright plants ..... 25c



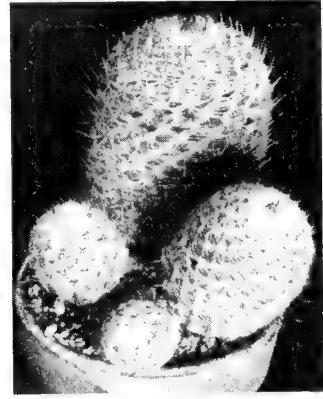
#### BUTTER PINCUSHION

Lovely shining yellow blossoms. Dolichothele sphaerica bears long nipples which grow if planted! Flowering size ..... 35c

#### SILKEN PINCUSHION

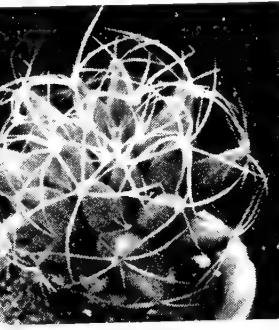
*Mamillaria bombycinia*

Perhaps the loveliest of all *Mamillarias*. Certainly one of the most sought after. Its handsome lace spine pattern is exquisite in its perfection. Each nipple is tipped by a star of 30-40 white radial spines with one longer red tipped, hooked central. Between the nipples is white wool, the crown snow capped. Lovely pink blossoms. Large, 2-2½ inches, \$2.00. Smaller, \$1.25 and ..... 75c



#### MAMILLARIA DEALBATA

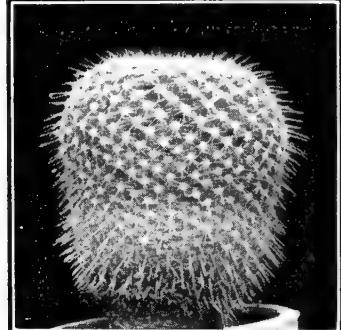
A handsome cluster forming species with short white spines and bearing crimson red blossoms in April, followed by scarlet pods. Likes a sunny position with moderate waterings. 2-3 inches, \$1.00. Nice 1-inch ..... 35c



#### BIRD'S NEST

*Mamillaria Camptotricha*

Feathery yellow spines that are particularly soft and harmless. The plant is much given to clustering young plants pushing out from the sides. Flowers pale yellow. Will do well in sun or partial shade. Give it a sandy soil and moderate waterings. 3-inch clusters, \$1.00. 2-inch, 50c. Nice, 35c and ..... 25c



#### MAMILLARIA MARTINEZII

A very handsome species branching only with age. Pale yellow spines closely set on low numerous nipples. Flowers in Spring, red and set in beds of white wool. Grows readily in sandy loam with moderate waterings. Likes a sunny location. Fine 3-inch specimens, \$1.00 each. Nice 1-inch to 1½-inch, each ..... 35c

#### JELLY BEANS

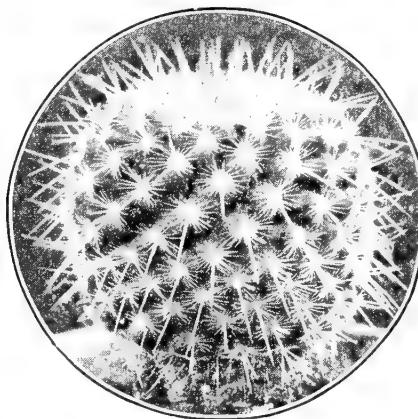
A cute new variety of the Thimble Cactus. *Mam. fragilis minima* bears harmless tiny white spines and numberless tiny branches which fall off ind. soon root. Each. ..... 25c

*Mamillaria Hoffmanniana*. A very pretty neat plant with red flowers and some white wool. 25c

*Mamillaria Karwinskiana*. Dark green plant with black spines. Heads branch with age. 25c

*Mamillaria Kunthii*. Specimens. 3-4 in...\$1.00

*Mamillaria Kunzeana*. A Powder Puff variety. Nice ..... 35c



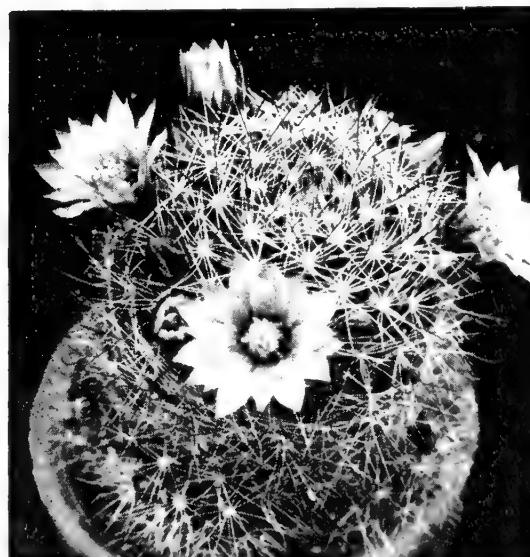
#### SEEDLING CACTUS HOUSE

We have 25,000 square feet of greenhouses and frames to shelter the tiny seedlings while they are getting started. In them a million and a half little fellows are daily watered and cared for from newly sprouted seed to those large and vigorous enough to enter your garden. It takes a full year and a half to two years to get them past babyhood and to a point where they can more or less take care of themselves. Thousands of additional feet of lathhouse and outdoor space are needed to take care of the larger plants and the harder Succulents that are growing here. Fifteen to twenty persons are employed in their care.



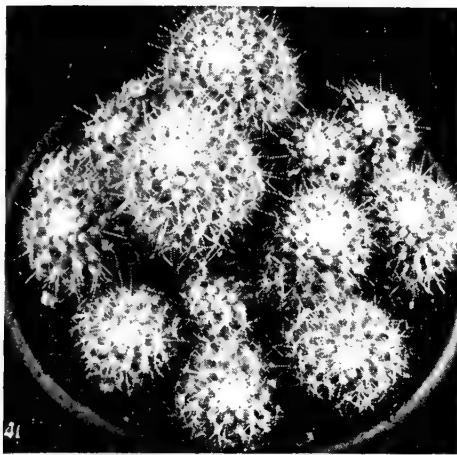
#### HER ORCHID CACTUS HAD 40 BLOOMS

Mrs. W. E. Gilbert, of Quincy, Illinois, has been a customer of ours for 10 years. The Orchid Cactus was in bloom till Christmas. A nice collection, well cared for.



#### ROSE PINCUSHION

A lovely flowering species and my favorite. Flowers intense violet-red, produced in profusion in May and June. Even the tiniest plants flower. The flowers are quite the largest and open widely. Easily grown. Sandy loam, moderate watering. 1 to 1½ inches, each ..... 35c



### RAINBOW PINCUSHION

A very variable plant, the spines may be yellow, tawny or red. *Mamillaria rhodantha* has charming red blossoms produced in Spring. It is at first solitary, but soon the youngsters form around the skirts, until a close colony results. A quick easy grower and a specimen you will be pleased to own. Nice plants, 35c and.....

**25c**

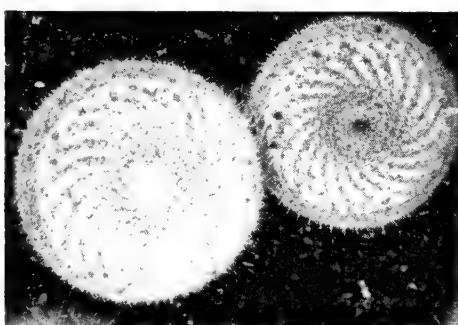
**Mamillaria Sartorii.** Handsome red flowered species. Plant flattened, bearing many short nipples. Large 75c. Smaller flowering, 50c and. 35c

**Mamillaria Schelhasei.** White woolly something like the Powder Puff..... 35c

**Mamillaria sempervivi.** Many short nipples. Flowers pink. Top white. 1½-2 inches..... 40c

**Mamillaria Sheldonii.** Rare hook spined. Large pink flowers. Fine..... 35c

**Mamillaria sonorensis Hiltonii.** Brilliant carmine flowers. Axils bearing much white wool. Handsome in flowering. Flowering, 1½-2 inch. 75c; smaller flowering ..... 50c



### DIADEM CACTUS

*Mamillaria Werdermanniana*

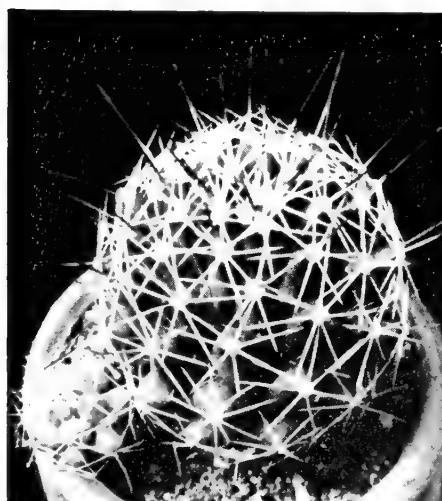
Don't fail to have this lovely Winter flowering cactus. The bright red flowers are a beautiful crown nestling among the white hair and spines. The flowering areoles are full of snow white wool. They flower in late Winter and always attract the greatest attention among our visitors. Nice plants, 50c, 35c and.....

**25c**

### GNOMES PINCUSHION

A cute small growing species, *Mamillaria decipiens* branches profusely, soon being almost smothered in youngsters. Flowers freely when small, the clusters spangled with white stars. Very easy to grow. Young plants may be detached with roots. Nice flowering plants, 35c and.....

**25c**



**Mamillaria spinosissima sanguinea.** A very lovely species seldom seen. Fine bright spines tipped red. Plants, 1½-2 inch, 75c; smaller..35c

**Mamillaria supertexta.** A choice white spined variety making a splendid show specimen. Rare. 2½-3 inches, \$1; smaller, 50c and...35c

**Mamillaria tetracantha.** A free flowering variety. Much white wool in crown. 2½-3 inches, 50c; smaller, 35c and..... 25c

**Mamillaria trichacantha.** Rare hook spined species with white flowers. Nice, 1½-2 inches, 50c; smaller .. 35c

**Mamillaria Troxhartii.** Rare variety of Mam. phymatothele. Plant dark green, nipples large. Flowers red. Very nice ..... 35c

**Mamillaria uncinata.** Stout hooked spines. Large 2-inch flowering ..... 50c

**Mamillaria Waltheri.** Low flat topped. 2-inch ..... 50c

**Mamillaria Webbiana**

**Mamillaria yucatanensis.** Very rare yellow spined species ..... 50c

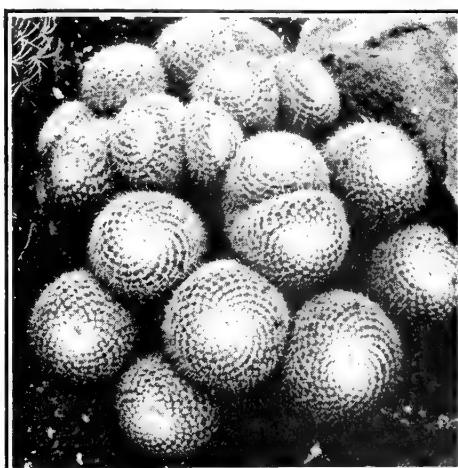


### OLD LADY CACTUS

*Mamillaria Hahniana*

The plant has long silken white hair which places this superb species in a class by itself. The snow white hair increases in length and thickness with age. It makes a fine show specimen and always attracts attention. It is easy to grow, preferring a sandy loam soil, moderate waterings and a light or sunny position. It is a mountain species and is sometimes seen growing in the cornfields of the Mexicans. 1-1½ inches.....

**50c**



### MAMILLARIA CELSIANA

An attractive species with pale yellow spines, the space between the nipples filled with soft white wool. Flowers bright red-pink in Spring. With age it forms most beautiful clusters. Though it grows easily, it is not a common plant. Fine colorful specimens for show purposes. 2-2½ inches, \$1.00 each. 1-1½ inches .....

**30c**

**Mamillaria Zahniana.** Rare species. 1½-inch. Each .....

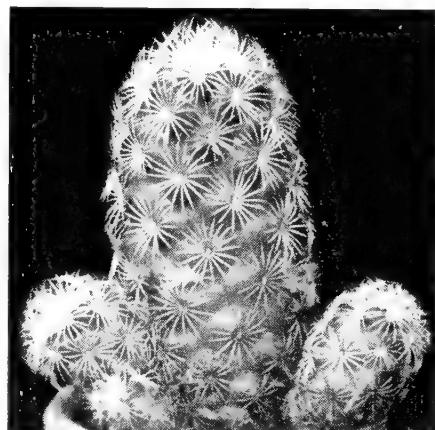
**.75c**

**Mamillaria Zeheriana.** Rare black spined species. Small .....

**.25c**

**Mamillaria Zephyranthoides.** Very rare. Small .....

**.25c**



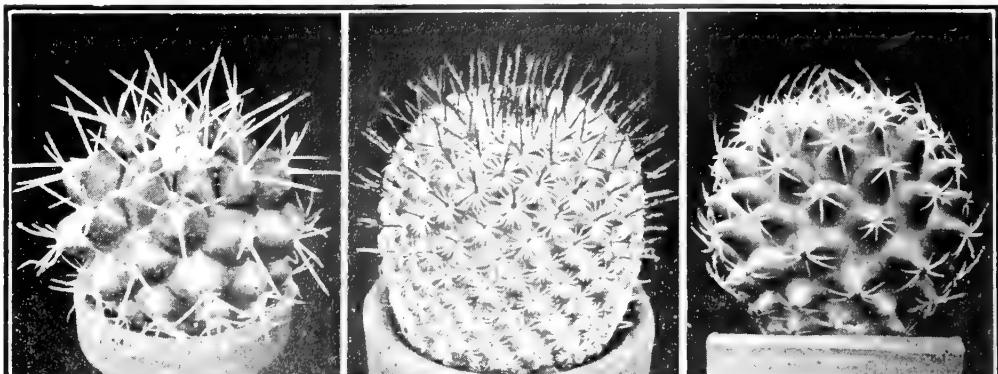
### GOLDEN STARS

The lovely popular *Mamillaria elongata* should be in every collection. Each nipple tipped with a shining golden star. Young plants are soon formed in abundance about the base. Specimens may reach 6 inches, with 100 arms. Quite sandy soil, partial shade. Branched, 35c. Single.....

**25c**

### DELUXE CACTUS GARDEN COLLECTION R6

**28** choice Cacti and Succulents. A fine selection of the beautiful and odd. You will be more pleased with this than your own selection. Living Rocks, *Mamillarias*, Old Men, Barrel Cacti, *Echeverias*, etc. 28 fine plants labelled, postpaid. **\$5**



### MOTHER OF HUNDREDS

*Mamillaria compressa*

A pretty variety with white spines and brilliant ruby-red flowers imbedded in masses of white cotton, giving the plant the appearance of being covered with snow. It eventually branches forming close packed mounds with scores of heads. Flowers in Winter, 2-inch, 50c. Small .....

**25c**

### VAUPEL'S PINCUSHION

*Mamillaria Vaupelii*

One of the prettiest of the small-er, richly colored Pincushions. Beautiful when the sun is shining through the glossy amber spines! The plants are solitary and may eventually reach 3 inches across. Nice 1-1½ inch.....

**25c**

### PINCUSHION

*Mamillaria kewensis*

A rapid growing species of which our customers write it often reaches a foot in height in 3 or 4 years. With age the upper plant is covered with white wool. Blooms freely with crimson flowers. 1½-inch, 35c. 2½-3 inch, 75c. Fine 1-inch.....

**25c**

# ECHINOCACTUS

## Fascinating Barrel Cacti



### INDIAN HEAD

A charming small plant, not larger than a small orange, with a long blooming season. Notocactus Ottonis is remarkable in that it blooms from Spring till Fall. Fat, rich green body with harmless russet spines. The flower buds appear as twists of cocoa brown fur which swell and burst some morning into widely expanded glittering yellow blossoms, the red tipped stigma surrounded by minute stamens which roll down tightly when a bee lands in their midst. Three year blooming plants, 75c. Smaller 50c.  
Nice plants .....

35c

### ASTROPHYTUM

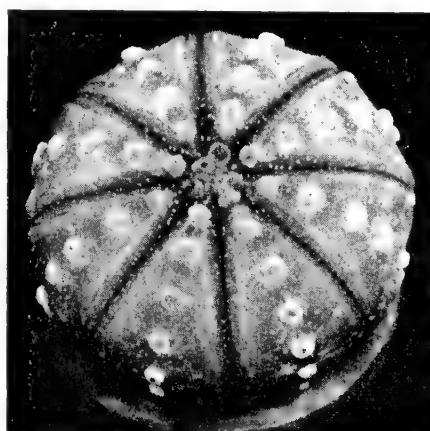
To this grand group belong some of the most popular and pretty cacti found in Mexico. All are very free flowering, producing blossoms all Spring and Summer. They are all small or medium sized globular cacti, and seem particularly happy in cultivation. Their unique shapes and textures make them appear as though carved from stone. No collection can be without them. Highly recommended.

**CULTURE.** They grow readily in the window garden and are not too particular, liking a sunny position if you have it. Give them a sandy soil and during the Summer growing period an occasional application of Cactus Food. Moderate waterings, allowing them to become dry between waterings. This is important with all cacti and is the best of all insurance for success and blossoms. I have found them to enjoy a little lime in the form of old mortar or powdered dry eggshells. Our Cactus Compost contains lime. A sprinkling of Cactus Charcoal helps to keep the soil sweet and open. If you do not have these things do not let that deter you. They are truly easily grown.

**BISHOP'S CAP. *Astrophytum myriostigma*.** Illustrated next page in color. One of the most attractive and free flowering of cacti, blooming several times during the Summer. Everyone can flower it. Put it in a sunny window and it will reward you with its cheerful yellow blossoms many times. Mature flowering 3-inch, \$1.00. Nice, 1½-inch, 35c. Pretty 1-inch plants....25c

**THE BARREL CACTI** form a large natural group, including most of those with round or short stems and bearing accordion-like ridges or sometimes chins or nipples. They are found from the United States all the way down to Patagonia. Mexico is particularly rich in the larger kinds. Many bear lovely blossoms, as the Rebutias, Notocacti, Parodias, Chin Cacti, etc. I have described here also most globular kinds, though technically some are more closely related to the Cerei. The pleated effect of the ridged stems, well shown by Bishop's Cap, opposite, allows them to expand rapidly when the rains fall without bursting. The flowers are regular and wheel shaped generally, though not always, borne among the younger areoles at the top. Those bearing nipples often have the flowers on the tips, as does the curious Leuchtenbergia. They grow from sea level to high in the mountains, for in the Andes I found them as high as 14,000 feet, where it is cold even in Summer. The blossoms of these mountain species are of lovely bright colors. It was interesting to find them in such unlikely places. Surprising to me also so high were the emerald green parakeets. The whole group are most interesting to the fancier. The beauty and symmetry of even the smallest seedlings plus their handsome flowers make them unsurpassed.

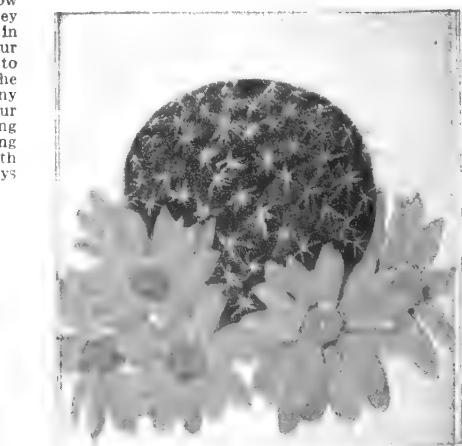
**CULTURE.** The greatest number of Barrel Cacti grow readily in the window garden without special care. They like a porous loam soil and I find they all grow well in 2 parts sand, 1 part crumbly loam, 1 part leafmold or our Cactus Compost. A sprinkling of coarse charcoal helps to keep the soil open. When these light soils are used the danger from overwatering is reduced to a minimum. Many of our customers have had remarkable success with our Sand Culture Kit. See page 17. After 40 years of growing cacti I am convinced that very sandy soils and planting with the base at soil level and not buried does away with most cultural difficulties. The beginner should always start this way.



### SAND DOLLAR

*Astrophytum asterias* (Natural size)

One of the oddest cacti, entirely spineless and freely bearing large lemon yellow blossoms with a red throat. Very rare even in the wilds, where it grows scattered thinly on the desert mesas. Sand or very sandy soil and very moderate waterings. Give it a very light situation, with some sun. It flowers from May to September. Specimens, 3-4 inches, 75c. Mature flowering plants, 2-2½ inches.....50c



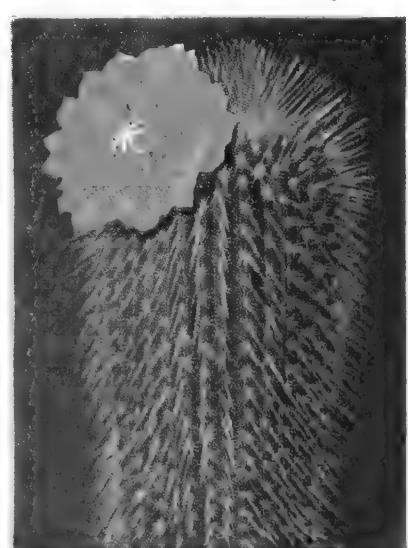
### RED CROWN

The Crown Cacti are a very lovely group, generally of small growth and unbelievably floriferous when well grown. *Rebutia senilis* bears vivid red blossoms an inch across and I have seen specimens with almost 100 flowers open at once, not to mention buds and withered flowers. They are excellent subjects for grafting. The plants are clothed with tiny white spines and are attractive at all times. They do best in sandy loam soil with moderate to generous waterings shaded from the sun in the hottest part of the day.

35c and.....25c

### MATUCANA HAYNEI

A rare genus from the Andes of Peru. They are small white spined globular plants, though with age some may reach a foot in height. Flowers tubular red. Moderate waterings, sandy soil, sun. Small plants, 1-inch.....\$1.00



### GOLDEN BALL

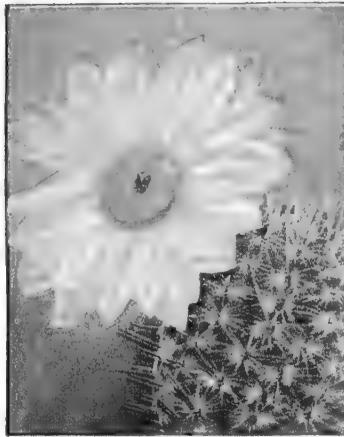
The lovely golden haired *Notocactus Leninghausii* is a great favorite and deservedly popular. It is one of our choicest plants. Old plants may be over a foot in height. Sandy loam, moderate to generous waterings, sun or shade if well lighted. Handsome specimens, 3-4 inches, \$1.00. Fine colorful plants, 50c and 35c. 1-inch, each.....25c



At left:

### MEXICAN LIVING ROCK

It is a thrill to see the lovely blossoms this singular plant produces among its horny tubercles. *Ariocarpus fissuratus* could hardly look less like a living thing. The tough horny skin is brown, through which the underlying green shows faintly. It will generally flower for you the first year. The triangular horny tubercles each bear a hair filled groove. Plant in coarse sand and place in a sunny location. Need little water in Winter, moderate amounts in hot Summer weather. Specimens, 75c. Mature flowering, 1½-2½ inches, each.....50c



#### HARDY HEDGE HOG CEREUS

These plants bear gaudy, bright rose-pink blossoms 2 inches to 2½ inches across. They flower freely several times during the Summer. Plants conical, 2 inches to 4 inches tall. Grow easily in sandy soil. Moderate water.

**35c**

Large flowering, each.....

#### WHITE CHIN CACTUS

A rare and fine plant, dark green in color and bearing heavy spines. Charming pink and white blossoms in early Summer. *Gymnocalycium Schiedekantii* grows readily in sandy soil with moderate watering. Large 2-inch

**35c**

\$1.00. Smaller 50¢ and.....

#### LEMON BALL

The very freest blooming and easiest to grow, *Notocactus submammulosus* should be in every collection. Light soil with moderate waterings increased when growing. Flowers for weeks. Mature 3-4 inches, \$1.25. Smaller, 35¢. Nice plants.....

**25c**

Gorgeous, crepe-like, brilliant pink blossoms over 2½ inches across. Blooms from Spring to Fall. Flowers for everybody. Light soil with moderate watering. *Thelocactus bicolor*, flowering sizes, 3 to 4 inches, each 50¢. Flowering, 2-3 inches.....

**35c**

#### SELECT COLLECTION No. R17.



#### BISHOP'S CAP

*Astrophytum myriostigma* (Natural Size)

A popular spineless plant for every collection and very easy to grow. Flowers quite freely in the Summer. The whiteness of the plant is produced by a myriad of tiny spine-like processes too small to be seen. Thrives in a sandy soil with moderate waterings, likes full sun or partial shade. Large specimens, 3-4 inches, \$1.00. Smaller flowering, 35¢. Nice 1-inch.....

**25c**

**Astrophytum myriostigma columnaris.** This is much taller and slenderer than the type and quite white. Very free flowering. Specimens, 2½-3 inches, each.....

**\$1.00**

**ASTROPHYTUM CAPRICORNE.** A splendid species with very handsome golden yellow blossoms, each with a red band in the throat. The flowers are 2-3 inches in diameter, the petals the texture of china silk. Grows to 4 inches in diameter, the coppery green body flecked with white, spines papery and curling. This year we will have a few nice young, 1-inch plants. Each.....

**35c**

**Astrophytum capricorne senilis.** More feathery spines. Large. Each.....

**\$2.00**

#### PYRRHOCACTUS

The Flame Cacti are very rare in collections. They are a most interesting group found in Chile and Argentina. The plants are globular, with heavily tubercled ribs and stout spines. The very freely borne flowers are funnel-form, dark red in color. They are fine plants and grow well in sandy soil with moderate waterings and a sunny position.

**Pyrrhocactus horridus.** A vigorous species with large chin-like tubercles and strong recurved spines. Blooms when young very freely. May grow to 6 inches in diameter. Healthy small plants.....

**50c**

**Pyrrhocactus umadeave.** The plant we have under this name has several heads, lighter red flowers. Small.....

**50c**

#### PINK EASTER LILY CACTUS

*Echinopsis multiplex* (Half Natural Size)

The handsome large pink blossoms of this fine plant are fragrant. It is noteworthy that every plant in the neighborhood will produce its flowers precisely on the same day each time it flowers. No beginner should be without it, as it will grow luxuriantly under almost any conditions. Many times there will be 3 or 4 flowers open at once. Moderate to plentiful waterings. Flowering specimens, 5 years old, 2½-3 inches, 75¢. Smaller plants, 35¢ and.....

**25c**

#### ARIOPARUS

Different from all other cacti. See color plate page 24. Very curious plants with handsome flowers. Plants bear tubercles, short or in some nipple-like. These rare species are real show plants. Plant in sand, watering when dry. Like full sun. Only a few large imported plants.

**Ariocarpus furfuraceus.** 3-4 inch. Flowering.....

**\$2.00**

**Ariocarpus Kotschoubeyanus.** Flowering.....

**\$1.50**

**Ariocarpus McDowellii.** Flowering.....

**\$1.50**

**Ariocarpus retusus.** Large plants.....

**\$2.00**

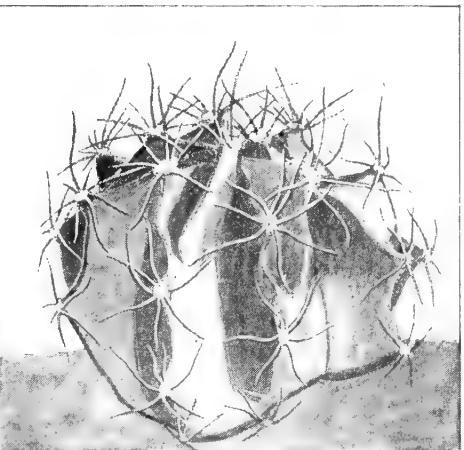
**Ariocarpus Lloydii.** Rare. Large.....

**\$2.00**

**Ariocarpus scapharostrus.** Rare. Mature

**\$2.00**

**Ariocarpus trigonus.** Flowering.....

**\$2.00**

#### MELON CACTUS

*Ferocactus acanthodes*

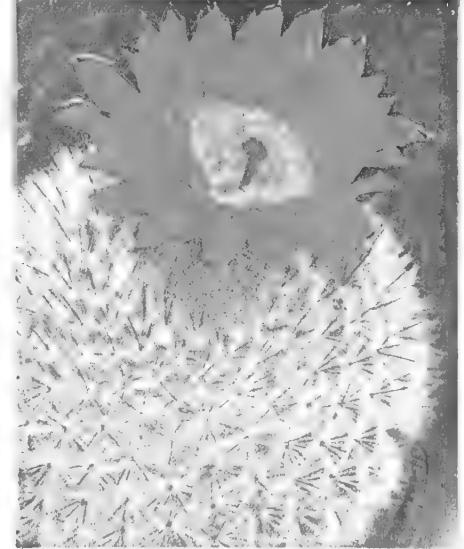
A fine quick-growing Barrel Cactus from Mexico. The yellow and red spines are strongly curved. Very easily grown, and one of the most popular of this fine group. Mature plants reach over a foot in diameter. Flowers yellow, body of plant pale green, contrasting prettily with the red or yellow spines. Grows rapidly in a sandy soil in sun or very light position. Each.....

**25c**

#### SILVER BALL

*Notocactus scopo* (Natural Size)

An elegant small cactus which always attracts admiring attention. The spines are white, often tipped with red. It is a native of Brazil, where it grows in rocky brush land. With us it flowers in late Spring, each plant bearing 6 to 12 lovely lemon-yellow blossoms, the petals like shining satin. Likes sun or partial shade, moderate waterings, sandy loam soil and some Cactus Food when growing. 2-2½-inch flowering specimens, 5 years old, 1½-inch flowers, 75¢. Nice 2-3 year old plants, 50¢ and.....

**25c**



#### CRIMSON PARODIA

*Parodia sanguiniflora* (Natural Size)

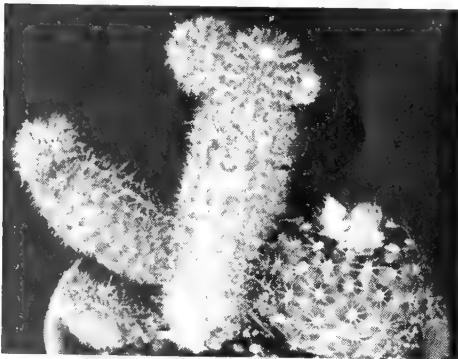
The Parodias bear large and bright blossoms, this species being particularly lovely, with brilliant ruby red flowers which shine in the sunlight. It seldom exceeds the size of a small orange with tiny dark hooked spines. They are found in the less arid mountains of Argentina. Thrives in sandy soil, partial sunlight, with moderate waterings. Four year old, 1½-1¾ inch specimens, 50c. Three year, 1-inch specimens.....

35c

#### FRAILIA

A rather rare group of small almost pygmy cacti from Argentina and Bolivia. They were named after the old gardener who cared for Dr. Rose's collection when he was writing his monograph. Curiously, they often form seed without the flowers opening at all.

<i>Frailia gracillima</i> . Tall .....	25c
<i>Frailia Grahiana</i> . Clustering .....	25c
<i>Frailia Dadakii</i> . Slow growing .....	50c
<i>Frailia pseudopulcherrima</i> . Clustering .....	25c
<i>Frailia Schilinzkiana</i> . Clustering .....	30c



#### FRAILIAS

At the left is *F. gracillima*, which grows to finger size, eventually branching. Forms seed pods abundantly. At the right, *F. Grahiana*, a globular form with green body, but the nipples tipped with maroon. This little plant produces many young ones about the base which root to make a colony. Ea... 25c

## HEDGE HOG BARREL CACTI

### ECHINOCACTUS

Those who have traveled across our South Western deserts are familiar with these Barrels. They are found in the driest regions here and in Mexico and often grow to huge size. The ribs are waved with heavy curved spines. The tops are full of white wool through which the flowers emerge.

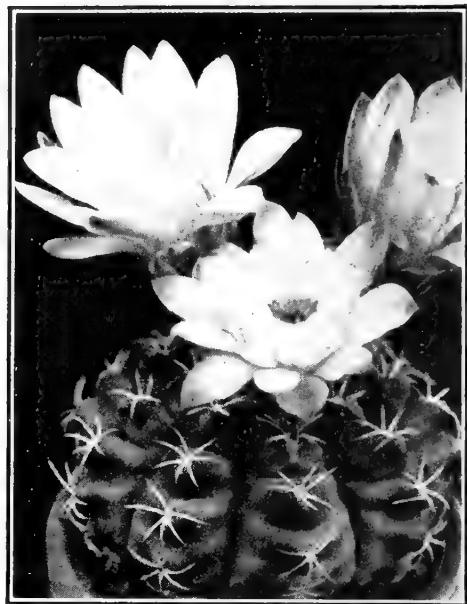
**CULTURE.** They are quite shallow rooted and grow easily in sandy soil and sunny position. A moderate amount of water suits them.

**Echinocactus Grusonii.** Golden Barrel. The most striking member of the group. Spines golden yellow. Nice plants..... 50c

**Echinocactus horizonthalonius.** Eagle Claws. A fine species, blue-green body, heavy curved pink spines, brilliant purple-pink blossoms. Large mature plants. 4-5 inches, 75c. Flowering, 3-4 inches, each..... 50c

**Echinocactus ingens.** Giant Barrel. A pretty plant with blue-grey body and dark curving spines. They live to great age and become enormous, weighing a ton. Grows on rocky mesas in Mexico. Grows rapidly. Nice colorful plants, 1-1½ inches .....

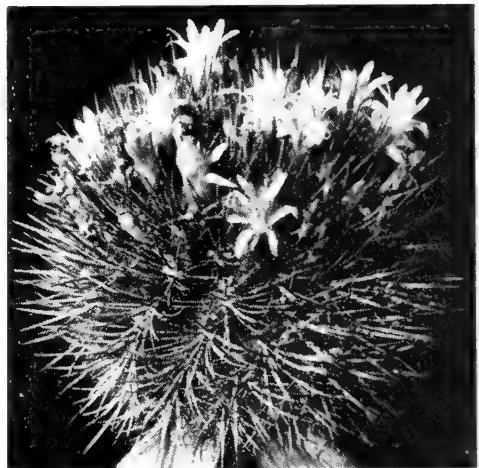
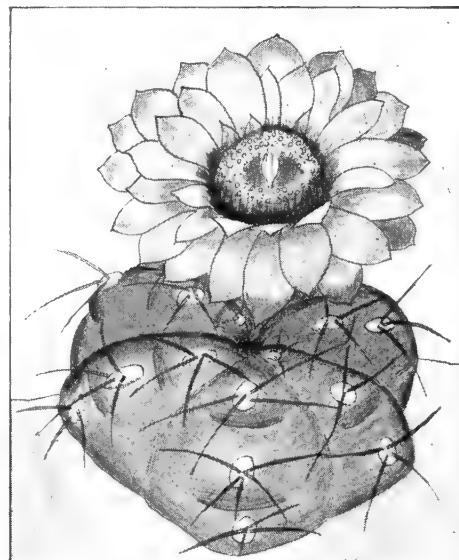
**Echinocactus Palmeri.** A very fine species, blue body, dark reddish spines. Grows rapidly. Becomes enormous. 1-inch. Each..... 25c



#### DAMS CHIN CACTUS

If you want the easiest flowered cactus try this one. *Gymnocalycium Damsii* flowers when tiny, the lovely large pink and white blossoms appearing throughout the Spring and Summer. Even our smaller sizes flower. Grows to 3 inches in diameter. Flowering 3 year old plants, 50c. Nice flowering sizes, 35c and.....

25c



#### ROSE CHIN CACTUS

##### *Gymnocalycium Urselianum*

A large flowered Chin Cactus with tender rose or white blossoms. It grows 3 to 6 inches in diameter, bearing in early Summer several flowers which remain open some days. Always attracts attention. Moderate watering in either sun or part shade. Fine 4 year old specimens, 2-inch, 75c. Nice plants, 1-1½ inches..

35c

#### CHILENIA HETERACANTHA

A scarce and charming spiny cactus producing a myriad of bright pink blossoms from October to January. Very vivid when in flower. A most attractive plant at all times. Grows quickly in a light sandy soil with moderate waterings, thrives best with some sun. Sure to flower. Small plants, 1-inch.. 40c

#### CHILENIA

A very handsome genus with bright pink to deep cerise flowers. They bear an extraordinary number of blossoms, often two at an areole, and bloom when comparatively small. They are very spiny, cylindrical plants, with low tubercled ribs. May reach a foot in height. Native to Chile.

**Chilenia acutissima.** An attractive, vigorous plant reaching a foot in height. Spines straight, brown and stiff. Flowers rose-pink, large for the genus. Nice plants, 75c. Smaller.....40c

**Chilenia heteracantha.** See photo above....40c

**Chilenia subgibbosa.** A very fine species with bright flowers and tawny spines. Nice plants, 75c. Small .....

40c

At Left:

#### ORANGE COB CACTUS

##### *Lobivia famatimensis*

A lovely flowered Argentinian cactus forming clusters. Flowers of various shades of orange, yellow and crimson. Particularly good for grafting. Flowers freely, taking full sun, moderate waterings. Flowering size, 2-inch, 75c. Smaller, 1½-inch, 50c. Nice 1-1¼ inch, each .....

35c



#### PINE CONE CACTUS

##### *Encephalocarpus strobiliformis*

A very rare and curious plant with triangular, strongly incurved nipples. Related to the Mexican Living Rock. Plant silvery green, hard and parchment like. Flowers handsome, large, violet rose. Imported fully mature flowering specimens. Each .....

\$2.00

## BARREL CACTUS FEROCACTUS

These are familiar to travelers in the desert mountains of the South West and Mexico. In the clean, dry desert air the spines of many assume the brightest hues of red or yellow. At first they are globular, but with age become tall, cylindric. A sandy soil, moderate watering and well lighted position suits them.

**CANDY BARREL.** *Ferocactus Wislizeni.* A fine attractive species with hooked reddish spines, fairly rapid growth, and one of the easiest to grow. It is commonly used to make the famous cactus candy. 1½-2 inch, 35c. Nice 1-inch..... 25c

**INDIAN FISH HOOK.** *Ferocactus corniger.* A very fine ornamental species, developing a wide, stout, hooked red central spine in each spine cluster. Very choice. Flowers crimson or yellow. Nice small plants, 1-inch, each ..... 25c

**Ferocactus Covillei.** A choice colorful plant with hooked spines Nice..... 35c

**Ferocactus echidne.** Globular plants to a foot in height. Ribs very acute. Not many spines. Each ..... 40c

**Ferocactus electracanthus.** Melon Cactus. Long fishhook-like spines, red and yellow. One of the prettiest and best. Nice ..... 25c

**Ferocactus Lecontei.** Quite scarce. Globular to 16 inches in diameter. Each....50c

### VIOLET EASTER LILY CACTUS

A long lived hardy plant, melon shaped, blue-green in color, with dark upcurved spines. The large blossoms of *Echinopsis leucantha* are lovely, the petals white, tinged violet, while the throat is filled by the mealy white stamens. Large flowering 4 year old, 3-inch, 75c. Fine 1½-inch, 35c. Nice..... 25c



### SUN CUPS

A charming Spring blooming plant, *Notocactus apri-* *cus*, bears flowers much larger than itself. The buds are covered with chestnut colored wool until just before the cheerful yellow blossoms appear. In the center among the pale stamens is the red velvety stigma. Give it a sandy soil, moderate watering, and as much light as possible. Nice, 1-1½-inch, each.....

30c



### ACAVE CACTUS

A very curious cactus with long, angled tubercles crowned with papery brown ribbons. The large fragrant blossoms are straw yellow and last for days. *Leuchtenbergia principis* at maturity may reach 8 to 10 inches across with a thick woody caudex. It looks more like an *Agave* than a true cactus. It is found in the dry, desert Paila Mountains of Mexico. Easy to grow, enjoying a sandy loam with moderate watering and a sunny location. Each .....

30c



### NOTOCACTUS MAMMULOSUS

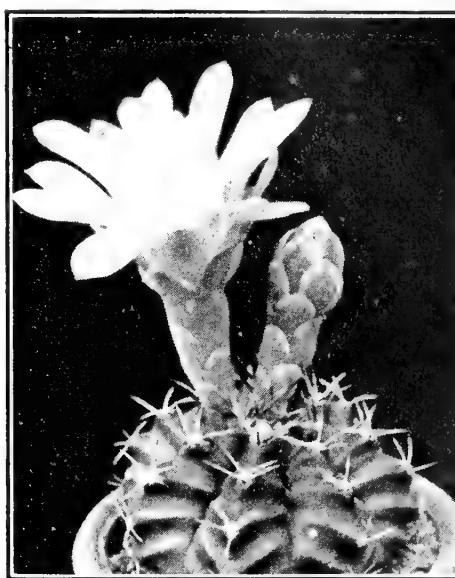
This favorite has lively yellow blossoms, each petal like satin. Surprisingly free flowering. Very accommodating, thriving in sun or partial shade, liking a sandy loam soil and moderate to generous waterings. Large flowering specimens, 2-3 inch, \$1.00 each. Smaller 3-4 year old, 50c. Nice plants, 35c and.....

25c

### ISLAYA

The Islayas are globular plants to 8 inches with pretty yellow blossoms and large inflated pink fruits. They are found in Southern Peru.

*Islaya islayensis.* Rare. Small..... \$1.00



### STRIPED CHIN CACTUS

*Gymnocalycium Mihanovichii* (Natural Size) Beautifully striped green and maroon, this is one of the loveliest dwarf cacti and will flower in any window from early Spring till late Fall. The blossoms are pale yellow, sometimes tinged with chocolate or pink. Large flowering, 2-inch, each, \$1. 1½- inch specimens, 75c. Smaller flowering, 35c and.....

25c

**Ferocactus pilosus.** (*Stainesii.*) A fine colorful species with reddish spines and with age long white hairs at the areoles. Flowers orange-red. Each .....

25c

**Ferocactus Pringlei.** A vigorous species from Mexico, with reddish spines. Each..... 25c

**Giant Spined Barrel.** *Ferocactus rectispinus.* The longest spined of all cacti. With age spines may reach 9 inches! Young spines red. Very pretty small plants .....

30c

**Ferocactus robustus.** Forms large clusters. Ribs wavy. Plants dark green. 2 inches. Each .....

50c

**Ferocactus Townsendianus.** A species from Lower California. Spines bright red. Rare. Fine colorful plants .....

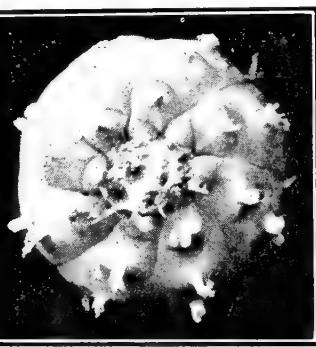
35c

**Ferocactus uncinatus.** Very large mature flowering specimens. 6-8 inches..... \$1.50

**Ferocactus viridescens.** A pretty small growing species, 4-6 inches in diameter, quite broad and very flat. Grows near the seashore. Each .....

30c

**Ferocactus viscainensis.** A rare species from Lower California. Red spined. Each..... 35c



### SACRED MUSHROOM LOPHOPHORA WILLIAMSII

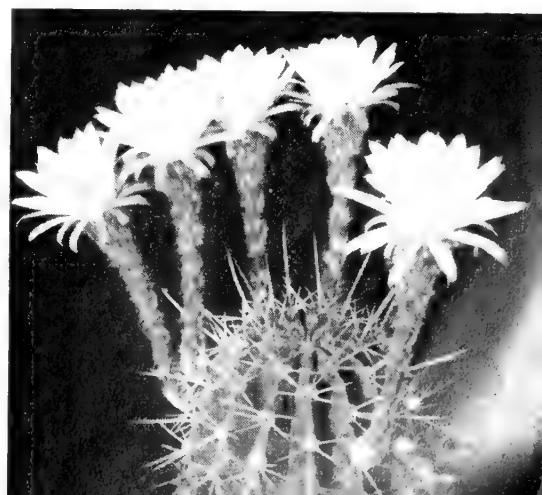
A living rock from Mexico. A smooth grey or bright blue plant with tufts of hairs in place of spines. Flowers pink. For centuries our Indians have used the dried tops of the plants, called also Peyote or Dry Whisky, in their religious rituals. It produces an illusion of colors. On the adventurous white man it has no appreciable effect! The plant has a long carrot-like root and grows readily in sandy soil with moderate waterings. Sun or part shade. Mature flowering imported plants, 1½-2½ inches, each.....

50c

### ANGEL TRUMPETS *Echinopsis spiniflora*

Bright lemon-green plants with long tubed snow white blossoms, freely produced. Fruits red. Give it generous treatment and some shade during the middle of the day in Summer. Very attractive with its lively green color. Nice plants, 1-1½ inches.....

40c



### OVER 100 KINDS IN HER COLLECTION

I have been buying plants from you since 1937 and have a very nice collection of over 100 different kinds, and practically all came from your gardens.

MRS. ELIZABETH McCURDY,  
Beeville, Texas.



## NOTOCACTUS

### BALL CACTI

Some of the loveliest and most fascinating of cacti are in this group. Practically all of them bear fine flowers in reds or yellows. Some of the very prettiest cacti as regards colorful spine patterns are among them. Those who are familiar with the Golden and Silver Balls will appreciate this. They are all moderate in size when mature, seldom reaching more than a foot in height. All are native to Southern Brazil, Argentina and adjacent states. Notoactus means southern cactus.

**CULTURE.** They are not very choosy and thrive in sandy soils, sun or partial shade with moderate waterings. They appreciate Cactus Food two or three times during the Summer.

**Notocactus apicus.** Sun Cups. See page 27 for illustration. Each ..... 30c

**Notocactus caespitosus.** A newly introduced species with large yellow blossoms. Very rare. Forms colonies. Specimens, \$1.00; smaller ..... 50c

**Notocactus floricomus.** A pretty variety with stout spines and large yellow blossoms. Nice, 50c and ..... 35c

**Notocactus Graessneri.** Yellow Ball. A handsome species thickly covered with pale yellow spines. Charming. Specimens, 2 inches, 75c; 1½ inches, 50c; smaller ..... 35c

**Notocactus Grossei.** A very rare species similar to N. Schumannianus, but fewer spines and ribs. Small ..... 75c



### VIOLET SEA URCHIN

*Acanthocalycium violaceum* (Two-thirds Natural Size)

A lovely flowering small cactus, blooming profusely during the Summer time. The blossoms are particularly bright and shining and the color is most pleasing. Flowers when small, the number of blossoms increasing yearly. They reach 4 inches in diameter. Native to Argentina. Grows easily in light soil with moderate watering, sun or semi-shade. Large, 2½-3 inches, \$1.00. 1½-2 inches, 50c. Nice plants ..... 35c

### THELOCACTUS NIPPLE CACTI

The Nipple Cacti form a very fine and interesting group to which the Glory of Texas belongs. Most of them are quite rare in collections, as mature plants must be imported. They differ among themselves in appearance, but all have very handsome flowers. Some are flat-topped, others conical. They bear nipples though do not have the appearance of Mammillarias, as the nipples are broad based or on spiralled ridges. The flowers are borne on the very young tubercles and are pink or white.

**Thelocactus bicolor.** Glory of Texas, page 29.

**Thelocactus hexaedrophorus.** A fine, very slow growing species. Purple flowers. Large flowering. Each ..... 1.50

**Thelocactus leucanthus.** Somewhat similar to T. bicolor. Flowers yellow ..... 75c

**Thelocactus lophothele.** A large, flat-topped, heavy nipped plant, curious shredded spines. Flowers salmon. Large specimens ..... 2.00

**Thelocactus nidulans.** Bird's Nest Thelocactus. Large heavy nipped plant. Long, shredded, interlaced spines. Nice flowering plants ..... 2.00

**Thelocactus subterraneus.** Mature plants, each ..... 1.00



### GOLDEN EASTER LILY CACTUS

Bearing handsome, large bright yellow flowers. It flowers very freely and with us every bed is shining with blossoms. I consider Lobivia aurea one of the choicest varieties and recommend it fully. It grows easily in light loam with moderate waterings and almost full sun suits it. Fine 5-year-old flowering specimens, \$1.50. Smaller flowering, 75c and ..... 40c

### SOLISIA

The genus Solisia is monotypic and is found near Tehuacan, Mexico. Though long known to collectors, it is seldom seen. The plants are small, with almost microscopic white spines borne on lenticular, low nipples. The flowers are white or pale pink with a dark central stripe. They grow easily in sandy soil with moderate waterings and sun or well lighted location.

**Solisia pectinata.** The only species. Nice mature specimens. Each ..... 1.50

At left:

### STRAWBERRY CACTUS

A group of these plants is never without flowers in the Summer. Hamatocactus setispinus is a great favorite with all, growing freely and flowering when small. The fruits are brilliant scarlet and quite showy. Enjoys a light loam and two or three applications of Cactus Food during the Summer. Moderate water and some shade at midday. Flowering specimens, 3-4 inches, 50c. Small flowering, each ..... 35c

### WALLFLOWER CROWN CACTUS

The lovely Rebutias are small plants, flowering freely in early Summer. The delicate flowers come from near the base and are very brilliant in coloring. This species has bright wallflower red flowers. Likes a sunny window and moderate watering. 1-1¼ inch flower ..... 50c

**Notocactus Hasselbergii.** A truly lovely collector's plant, thickly covered with glossy white spines and crowned in March and April with vivid orange-red blossoms. Large 2-2½-inch specimens, \$1.50. Smaller flowering specimens, 1½-inch, each ..... 1.00

**Notocactus Leninghausii.** See page 24 for illustration. Each from 25c to ..... 1.00

**Notocactus Linckii.** A rare and desirable species with large yellow blossoms. Large flowering specimens, 2 inches, each \$1.00. Smaller, each ..... 50c

**Notocactus mammulosus.** See page 27.

**Notocactus Mueller-Melchersii.** The true species with handsome pink blossoms! A really lovely thing and handsome in flower. One of the finest of new introductions. Nice flowering plants. Each ..... 1.00

**Notocactus muricatus.** A very rare and attractive plant. Spines are rich chestnut red in well grown specimens. Small, each ..... 50c

**Notocactus Ottonis.** Page 24.

**Notocactus Ottonis longispinus.** Distinct variety. Flowering. Each ..... 75c

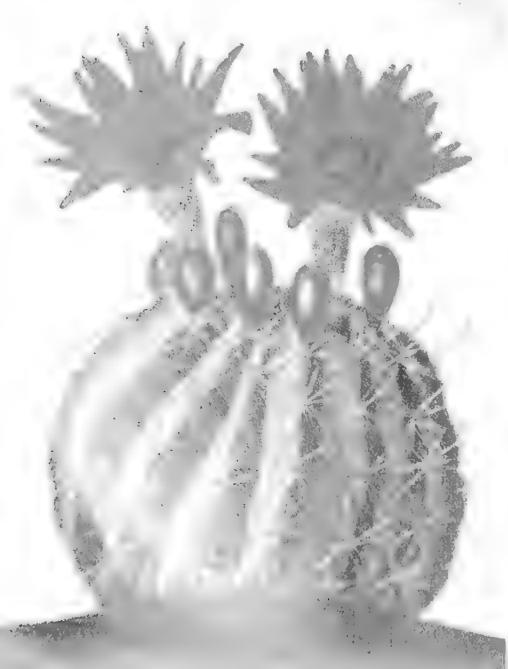
**Notocactus Ottonis uruguayensis.** A very handsome variety with rich yellow blossoms which glisten in the sunlight. Each \$1.00. Smaller ..... 50c



### PYGMY EASTER LILY

*Echinopsis hamatacantha*

This lovely little species bears pink tinted blossoms several times during the Summer. These are mountain plants and like a little shade during the hottest part of the day. The plants bear harmless spines and grow quite freely, flowering when small. Seldom reach 3 inches across. Like sandy loam and moderate to generous waterings. Each 35c and ..... 25c





#### NOTOCACTUS TABULARIS

Mature plants may reach 2-3 inches across, the low ribs bearing only flexible bristles. The flowers are borne at the top, the buds densely covered with cocoa brown wool. It is native to Uruguay, flowering in late Spring. We have some very nice plants. Each.....

**35c**

**Notocactus pampeanus.** A charming species with spine clusters, quite reddish when young. Ribs low, strongly tubercled with stiff spines. Flowers quite large, bright yellow. From Uruguay. Large flowering specimens, 2-1/2 inches, \$1.50. Others 50c and.....

**35c**

**Notocactus Schumannianus.** Giant Ball. A fine, large growing species with flexible hair like bristles. The ridges are numerous and shallow, the top depressed and filled with wool, from which the flowers emerge. A choice plant. Large \$1.00. Smaller 50c and.....

**35c**

**Notocactus scopula.** See page 25.

**Notocactus submammulosus.** Lemon Ball. See color illustration, page 25.

**Notocactus tabularis.** A fine flowering species, with reddish bristles. See illustration above.

**Notocactus Velanovskii.** Similar to N. mammulosus. Nice.....

**50c**

#### MELOCACTUS

##### TURKS' CAPS

These odd plants bear a curious bright red cap on their tops when ready to flower. It looks just like a Turk's fez. The plants are melon shaped, with many ribs. They are found on the islands of the Caribbean and in Central and South America. They enjoy warm weather, a quite sandy loam and moderate waterings. Give them a sunny location in a warm window.

**Melocactus intortus.** Turk's Cap. 1 1/2-2 inches.....

**75c**

**50c**

**50c**</p

## ECHINOCEREUS

A very colorful group of North American cacti with large and brilliant flowers. They may be solitary or form large clusters of short cylindric arms, generally 4 to 10 inches tall. The bright flowers are borne in Spring and may range from yellow and pink to red, purple and crimson. A splendid group worth a place in the best collection. They are particularly fine for outside planting where temperatures do not fall below 20 degrees above zero. Light sandy soil, moderate watering in Summer, drier in Winter. Sunny position.

**Echinocereus amoenum.** Handsome pink flowered species. Mature flowering imports. 1½-2 inches, each.....\$1.00

**Echinocereus Davisii.** Spineless long arms. Long tubular pink night blooming flowers. Flowering specimens, 75¢; smaller.....35¢

**Echinocereus DeLaetii.** Few small 3-5 inch plants. \$1.00

**Echinocereus dubius.** Large purple flowers.....50¢

**Echinocereus Fitchii.** Gorgeous ruffled pink flowers.....50¢

**Echinocereus Knippelianus.** Fat spineless. Pink flowers. Nice.....50¢

**Echinocereus longispinus.** Handsome purple flowers. 25¢ and.....50¢

**Echinocereus Merkeri.** Purple. Each.....50¢

**Echinocereus papillosus.** Handsome yellow flowers. Nice.....25¢

**Echinocereus perbella.** Mature imports. Pink.....\$1.00

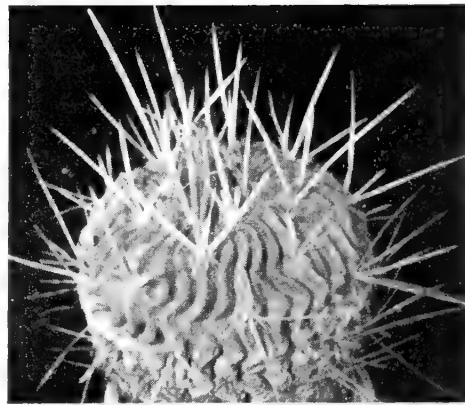
**Echinocereus polyacantha.** Crimson. Nice.....35¢

**Echinocereus Poselgerianus.** Purple red.....35¢

**Echinocereus Scheerii.** Large purple. Each.....50¢

**Echinocereus straminus.** Handsome purple.....50¢

**Echinocereus subterraneus.** Rare. New. Each.....50¢



### BRAIN CACTUS

The Stenocacti are curious small cacti bearing many ribs and generally flat or stiff spines. Young plants at first look like Mamillarias, but shortly develop ribs. The flowers are pink or white, often striped with purple. They grow easily, liking a sunny location, quite sandy soil and moderate waterings.

35¢

### WAIT A BIT

Our plants of *Ancistrocactus Scheerii* are mature flowering specimens and as nice a lot as we have had. It is a Spring bloomer. Easily grown, sandy loam, moderate waterings, sunny location. Large, 3-4 inches, each, 50¢. Smaller, 2-3 inches, each.....35¢

## GYMNOCALYCUM CHIN CACTUS

Among the Chin Cacti are some of our prettiest plants as well as some that the beginner can flower with the greatest of ease. Many flower on the young growth—an advantage for the impatient. Thus as long as new growth is appearing flowers can be induced. They are native to South America, where they are found in the foothills and mountains. The lovely blossoms are in shades of white, pink, red and yellow and sometimes almost smother the plant. They are mostly small plants, seldom exceeding a small orange in size, though a few may become larger. Many bloom when hardly an inch in diameter.

**CULTURE.** They are of the simplest culture, liking a sandy loam soil with 3 or 4 feedings of Cactus Food during Spring and Summer. Moderate waterings, with sun or a very light position, suit them well.

**Gymnocalycium Anisitsii.** Rare.....\$1.00

**Gymnocalycium Baldianum.** Pretty pink and white flowers. A very nice species. Large, \$1.00. Smaller flowering, each.....50¢

**Gymnocalycium Bodenbenderianum.** Free flowering. Blossoms pale warm pink. Lovely. Large \$1.00. Smaller Flowering.....50¢

**Gymnocalycium Bruchii.** A lovely dwarf species forming cute little colonies of tiny white spined heads. Flowers large clear pink in color. Charming. Each, 50¢ and.....35¢

**Gymnocalycium Damsii.** See page 26. Ea...35¢

**Gymnocalycium De Laetii.** A large species with strong spines on stout ribs. Flowers from older areoles, white. Makes a choice specimen plant. Large 3-inch \$1.00. Smaller flowering, each.....50¢

**Gymnocalycium Fleischerianum.** See page 29



### HYBRID CHIN CACTUS

A series of handsome hybrids between *G. Damsii* and *G. Milanovichii*. They are very floriferous, blooming when small, the blossoms ranging from yellow to pink and white to almost chocolate. Generous treatment, partial shade. Of easiest culture. Flowering size, 1-1½ inches, each.....35¢

**Gymnocalycium Friederickii.** See front cover.....35¢

**Gymnocalycium gibbosum.** Large white flowers. A large rather slow growing species. Fine. Each 75¢ and.....50¢

**Gymnocalycium gibbosum Schlumbergii.** Darker bronze green. Flowers white. Each.....50¢

**Gymnocalycium hyptiacanthum.** A newly introduced species with lemon-yellow blossoms. Very rare. Each.....75¢

**Gymnocalycium Leeanum.** Biscuit shaped plants rarely exceeding 2 inches across. Flowers large, lemon-yellow. Large \$1.00. Smaller.....50¢

**Gymnocalycium leptanthum.** A small blue-green plant with the largest flowers of all. Pink and white. Rare. Plants \$1.00. Smaller, each.....50¢

**Gymnocalycium Monvillei.** A beautiful yellow spined species, flowers pink or white. A fine plant, \$1.00 each. Smaller.....50¢

**Gymnocalycium multiflorum.** Grows to 4-5 inches in diameter. Flowers large white. Each.....50¢

**Gymnocalycium occultum.** Plant dark olive grey. Flowers pink and white. Nice plants.....50¢

**Gymnocalycium Quehlianum.** See illustration below.

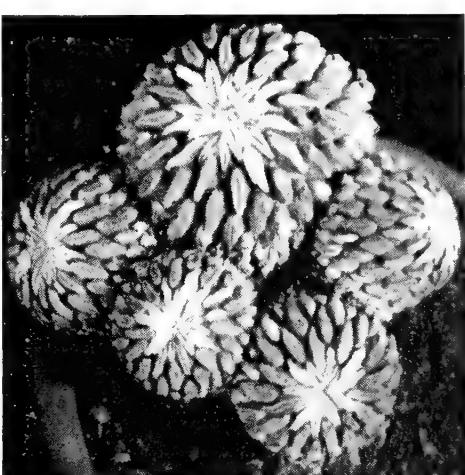
**Gymnocalycium Saglionis.** The largest growing species, reaching 10 inches in diameter. A few plants only. 2-3 in., each.....\$1.50

At Left:

### DWARF CHIN CACTUS

**Gymnocalycium Quehlianum**

A pretty chin cactus with lovely white blossoms flushed with warm pink. Very easy to grow, flowering most of the Summer. Give it a sandy loam soil with moderate watering and a light or sunny position. Native to Argentina. All of this group of Chin Cacti are very satisfactory for the beginner. Flowering size, 2 inches, each.....\$1.00. Nice plants, 50¢ and.....35¢



### PELECYPHORA ASSELLIFORMIS

Extremely rare in cultivation. The plants are 1-½ inches in diameter, bearing apical, large bright purple-pink blossoms. These Mexican plants are real oddities. It likes a sunny place in the window and very sandy soil or sand, with moderate waterings when dry. Mature flowering imports, each.....\$1.25

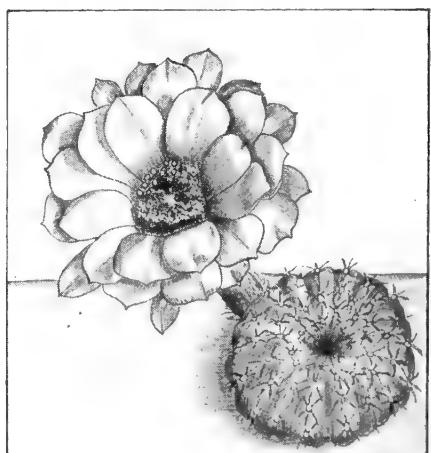
**Gymnocalycium Schickendantzii.** A large, heavily spined species with white blossoms in early Summer. Specimens, 2½-3 inches each, \$1.50. Smaller, 2 inches, \$1.00. Others 50¢ and.....35¢

**Gymnocalycium Urselianum.** A pink or white, large flowered species. See illustration page 26

35¢

**Gymnocalycium Venturianum.** Flowers in various shades of red. Flowering, each.....50¢

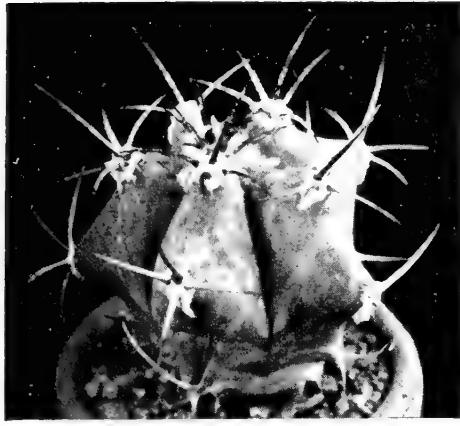
**Gymnocalycium Venturianum hybrids.** Flowers ranging from pink to rose-orange and red. Flowering, each.....50¢



### SNOW CUPS

**Echinopsis Kratochviliana** (Half Natural Size) Dainty white ruffled blossoms borne in abundance. A charming variety from the high mountains of Argentina. Likes a light loam soil and plenty of water in Summer. Moderate waterings in Winter. Semi-shade or sun. Blooms in May, June and July. Nice, each, 50¢ and.....35¢





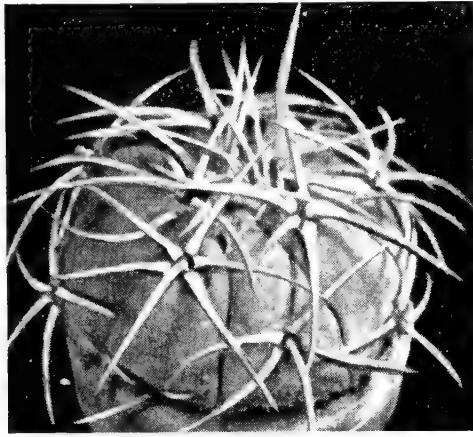
### TOOTH PICK CACTUS

*Ferocactus visnaga*

The spines are used in Mexico for toothpicks. Very pretty as a small plant, the body blue-grey, and the crown often filled with wool. With age the plant makes a noble specimen, in fact, is pretty at all times. Very sandy soil, moderate to frugal waterings.

Sun. Each.....

35c



### EAGLE CLAWS

*Echinocactus horizonthalonius*

An old favorite, bearing handsome purple flowers in Summer. The blossoms arise from the very woolly crown. Spines stout, curved, often red. Plant blue-green. From western Texas. Enjoys a light sandy soil and full sunlight. Specimens, 4-5 inches, each, 75c. Flowering specimens, 2½-3½ inches.

50c

### OBRECONIA

A rare and peculiar cactus, with curious sharply angled, incurving, imbricate silvery green nipples. The apex is filled with wool, among which the white flowers appear. It thrives in sand or very sandy soil, liking a sunny location. A very slow grower. Native of Mexico. The genus contains but one species.

*Obregonia Denigrii*. Mature, flowering, 2 to 3 inch.....

\$2.50



### AN ATTRACTIVE LATHOUSE

Mrs. Jean S. Painter, of Mt. Pleasant, Pa., writes: "A picture of my new lathouse so you can see how your plants look away from home. They are all plants I have gotten from you, some as long as ten years ago." A lathouse is fine for Summer care.

## EASTER LILY CACTI ECHINOPSIS

These are old favorites for window gardens. The blossoms are shaped somewhat like Easter Lilies, but with many rows of ruffled petals. The flowers are white or various shades of pink and quite large, some up to 10 inches. The plants range from 2 inches to as much as 18 inches in height when very old. They flower profusely even when small, and I have counted fifteen 8-inch blossoms open on one plant. Quite a sight! They have been hybridized and lately we have raised some very lovely varieties with orange-pink or red flowers. They are mostly native to Argentina.

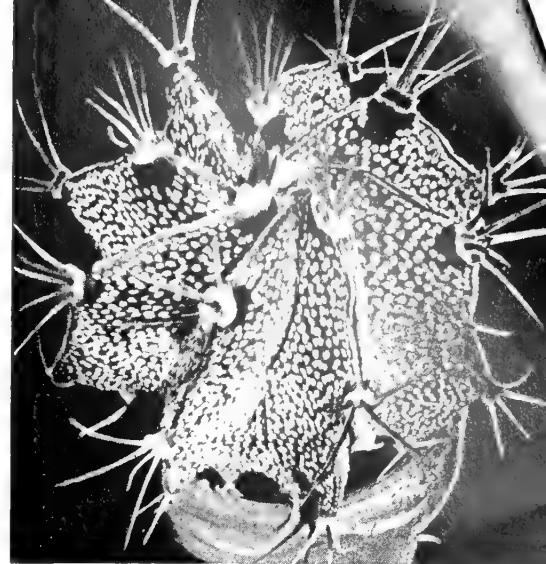
**CULTURE.** They have strong root systems and are vigorous growers. In pots I prefer to grow them in a sandy loam soil, feeding them lightly 3 or 4 times during Spring and Summer with our Cactus Food. Repot every second year, washing the roots clean and trimming them back. They are greatly invigorated and bloom more abundantly when so treated. Repotting cacti at the commencement of the growing season retards them very little. If the root systems are damaged by improper soil, too much watering or the iniquitous nematode repotting is surprisingly effective in rehabilitating them.

**Echinopsis albiflora.** Handsome free flowering. Very graceful snowy white blossoms 6 inches long. 50c and ..... 35c

**Echinopsis calochlora.** Handsome plants, bright green, yellow spines. Lovely white flowers. Each ..... 50c

**Echinopsis Huottii.** Huge white blossoms to 8 inches. Strong growing, \$1.00 to ..... 35c

**Echinopsis Heavenly Twins.** Curious double-tubed flowers of pale pink, an old favorite. Larger, 2-3 inches, \$1.00. Smaller ..... 50c

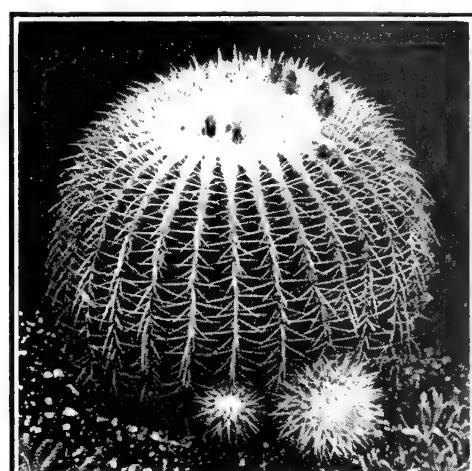


### STAR CACTUS

*Astrophytum ornatum*

Every collection should have this handsome and easily grown old favorite. It is beautifully flecked with a myriad of snowflakes which are really microscopic spine clusters. Large lemon-yellow flowers. Grows freely in sandy loams. Sunny location or part shade. Large, 4-5 inches, \$2.00.

Nice plants, 50c and ..... 35c



### GOLDEN BARREL

*Echinocactus Grusonii*

These form beautiful golden globes with age and are spectacularly beautiful specimens. A great favorite with collectors. The young plants bear nipples instead of ridges, gradually assuming their mature character. Pretty at all stages with their bright shining yellow spines. Like a very sandy soil, moderate watering and sun or semi-shade. Easy and quick growers. 1½ inches..... 50c

**Echinopsis Johnson's Hybrid.** The darkest pink. Huge frilled blossoms to 8 inches. Plants to 18 inches tall. Nice ..... 50c

**Echinopsis Kratochviliana.** Snow white. Small grower ..... 35c

**E. Kratochviliana x Lobivia Backebergii.** Nice rosy red flowers. Large plants ..... 50c

**Echinopsis leucorhodantha.** Small species. Each ..... 35c

**Echinopsis Los Angeles.** A handsome green, almost spineless plant with huge frilled dark pink blossoms. Grows to large size ..... 50c

**Echinopsis Makla.** Pink flowered hybrid. 75c

**Echinopsis obrepanda.** Rare. Each ..... 75c

**Echinopsis oxygona.** Large plants, 3-4 inches. Large pink blossoms ..... 75c

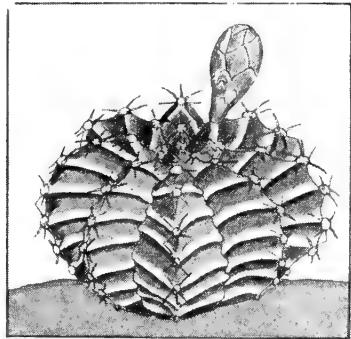
**Echinopsis polyanicista.** Large, 3-4 inches, \$1.00. Smaller ..... 50c

**Echinopsis Ritteri.** Large growing. 10-inch graceful white flowers. Large, \$1. Smaller. 50c

**Echinopsis rosada.** New species from Bolivia. Similar to Huottii, but flowers supposedly pink. Should be a beauty ..... 75c

**Echinopsis Sylvestrii.** Very spiny plant. Large ruffled white flowers. Large 2½-3 inches, \$1.00. Smaller, 1½-2 inches ..... 50c

**Echinopsis turbinata.** Lovely white blossoms ..... 50c



### PLAID CACTUS

*Gymnocalycium Mihanovichii stenogonum*

A brightly banded form of this lovely Chin Cactus. The sharp ribs are barred maroon, the body of the plant pale silvery green or olive. Flowers pale yellow or chocolate, borne from June to October. They flower when quite small. May eventually reach 3 inches in diameter. All this group of Chin Cacti are most satisfactory for the beginner. Four year old plants, 1½ to 2 inches, each, \$1.00. Smaller flowering, 50c. Nice colorful plants, flowering ..... 35c

### PHOTOGRAPHS

For those who have good clear snapshots of their collections which we can use in this catalog, we offer a collection of 25 cacti and succulents, our selection, or a \$5.00 credit. We much prefer pictures with you in it. Every collector is interested in your collection. If you want to answer correspondence tell me if you want your address published if the photo is used. Interesting window arrangements show others what can be done. We are all interested in your successes.



### “ANOTHER CACTUS ENTHUSIAST”

I have had so much enjoyment from my Cactus collection that I decided to bring them all out and have their picture taken. You always send such nice plants, packed so safely. How they have grown!"

RUTH MOORE,  
Vestal, New York.

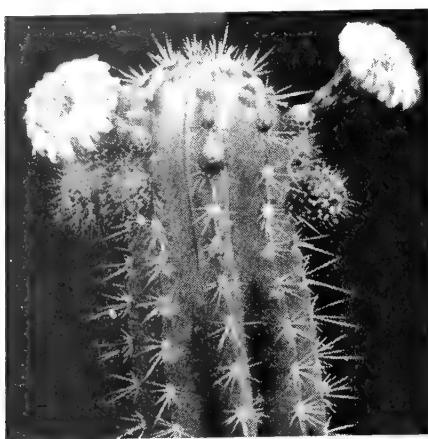
# CEREUS and its ALLIES

**I**NCLUDED in this large division of the Cactus Family are all the tall growing kinds, most of the climbing kinds, as well as many clustering and creeping varieties. Some of the giant Cerei tower upwards to almost 50 feet and weigh many tons, others are so tiny one's thumb dwarfs them. They are mostly found in the warmer regions from Arizona all the way down to Argentina. Generally they grow in brush or scrub forest land, though some grow in the most arid regions imaginable, as does Browningia. The flowers of some are gloriously beautiful, huge chalices sparkling in the morning sunlight. No one could ever forget the ethereal beauty of a *Trichocereus*, its gaunt arms stretched upward, wreathed in pearly whiteness. The climbing varieties, such as the Moon Cereus and Queen of the Night, often grow in the jungles, climbing in the trees, opening their chaste blossoms in the airy lofts high above the forest floor. The giant tree species grow in widely scattered groves, their tops the roosting place for vultures. Recently many new Cerei have been discovered and certainly many more may be expected. The cacti of South America are but little known botanically. All may be grown in your window garden.

## RAINBOW CACTUS

One of the handsomest dwarf blooming cactus. *Echinocereus melanocephalus* is sure to flower and has a long blooming period. Often flower when hardly an inch tall with blossoms larger than the plants! Likes a rich soil, though it should be sandy for drainage. Moderate waterings, sun or partial shade. Flowering size, 35c. 1-1/2 inches, each.

25c



## POWDER BLUE CEREU

*Lemaireocereus pruinosa*

A lovely blue-white species, charming during every stage of its growth. Grows rapidly and makes a most effective specimen. A fine plant for the beginner. Flowers pink. Likes a sandy loam soil, moderate waterings. Colors best in full sun but grows well in part shade. Handsome 2-3 inch specimens, 35c. Smaller . . . . .

25c

## HEDGE HOG CEREU

*Echinocereus pentaphylloides*

It hardly seems possible this small plant could produce such large and brilliant blossoms. The spiny finger-like stems grow in clusters and after a good Winter rest produce their 3-5 inch flowers in profusion. They will stand temperatures down to freezing or below and may be rested in a quite cool place. Branching, 35c. Smaller . . . . .

25c

## MOON CEREU

Great favorites with their profusion of snow white blossoms and attractive crimson fruits. Kept in 5-6 inch pots and well fed during the Summer they rarely fail to flower abundantly. Will stand full Summer sun.

**Eriocereus Bonplandii.** A glorious free blooming plant. Blossoms huge, white; prodigious bloomer. One of my favorites. 10-12 inch, 75c. 3-4 inch . . . . . 25c

**Eriocereus Martinii.** See page 36.

**Pink Moon Cereus.** *Eriocereus Regelii*. Lovely pink blossoms. Free blooming. 2-6 inches. Each . . . . . 35c

**Eriocereus tortuosus.** Handsome white flowers. Very spiny. Each . . . . . 35c

## CHAMAECEREU

A very well known tiny growing group. Fine for beginners, as they will grow anywhere.

**Peanut Cactus.** *Chamaecereus Sylvestrii*. Grows very fast. Comes from Argentina. Nice, 35c & . . . . .

**Hybrid Peanut.** Large orange flowers. Plant larger, 50c and . . . . . 35c

## CLEISTOCEREU

A group of slender tall growing cacti containing some of our most colorful and consistent blooming kinds. Flowers tubular, red.

**Culture.** Light sandy soil, moderate waterings with sun or part shade.

**Scarlet Bugler.** See above... 25c

**Cleistocactus cuocoensis**..... \$1

**Cleistocactus Herzogianus**..... \$2

**Cleistocactus Morawetzianus**..... \$2

**Cleistocactus smaragdiflorus.** Green-red flowers. Handsome.. 35

**Cleistocactus tupizensis.** Large to 12 inches. Each . . . . . \$1

## HAAGEOCEREU

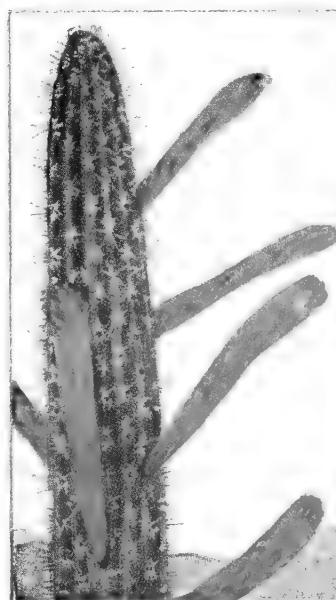
Rare fine genus from Peru. Brightly spined. Make magnificent specimens. Very sandy soil. Very moderate waterings. Sun.

**Haageocereus acranthus.** Nice plants . . . . . 50c

**Haageocereus fragrans.** New species . . . . . 75c

**Haageocereus Olowinskianus.** New species. Nice plants, 75c and . . . . . 40c

will not so surely result in losses. When plants are well established and roots are strong Cactus Food lightly applied three or four times during the Summer will keep the plants plump and green and induce them to flower.



## SCARLET BUGLER

You will want this handsomest flowered small cereus. Flowers all Summer long. The blossoms are brilliant scarlet, tubular. *Cleistocactus Baumanii* likes generous waterings. 6-7 inches, 35c. 2-4 inches, each . . . . .

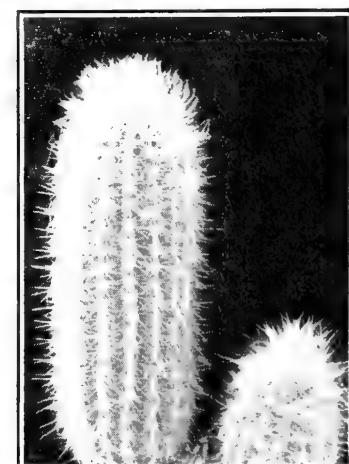
25c



## JOSEPH'S COAT

Handsome variegated with white, yellow, green and pink, this great favorite is easy to grow. Likes a porous loam, sun or partial shade, moderate waterings. 35c and . . . . .

25c



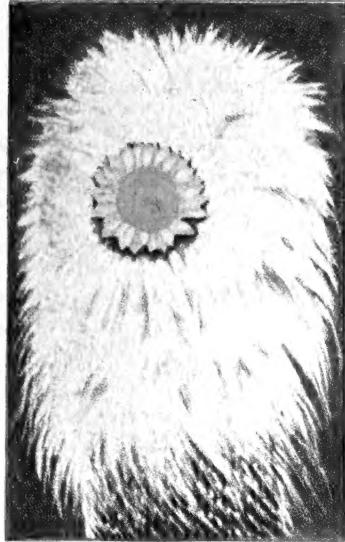
## GYMNAANTHO- CEREU

A new cereus from Peru. Tall, much branched. *G. chlorocarpus* has pale green shallowly ridged stems. Spines moderately short, flowers orange, without spines or hairs. Flowering stems with few straggling brown bristles. Large, 6-8 inches, \$1.00. Smaller . . . . . 50c

## GOLDEN OLD MAN CACTUS

A very fine Old Man Cactus with bright yellow spines. Flowering stems bear large woolly masses of silky white hair. *Cephalocereus chrysacanthus* bears some hairs when young. The stems of older plants become quite blue. We have some fine young plants. Each . . . . .

30c



#### OLD MAN CACTUS

*Cephalocereus senilis*

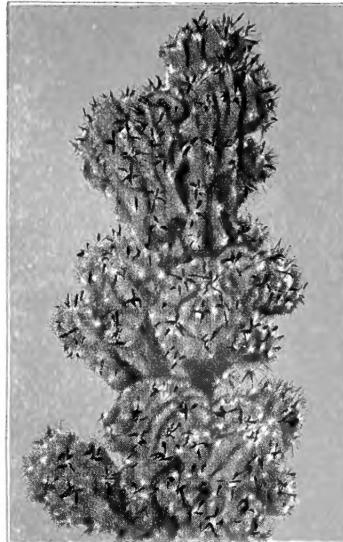
The long snowy-white hair of this venerable cactus makes it one of the most sought after. They are becoming ever more scarce, seed being practically unobtainable. This year I have some very fine white haired plants to offer. 35c  
Nice, 1-1/2 inches, each.



#### MOON CACTUS

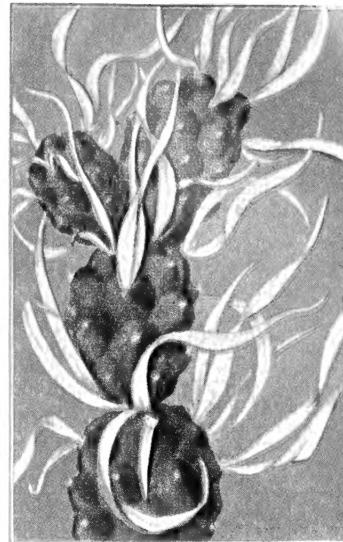
*Eriocereus*

These are very free growing cacti and flower most freely, the large showy blossoms opening in the evening and remaining open till late morning. Easy to grow, liking a rich loamy soil and moderate waterings. Sun or semi-shade. 3-in. to 6-in., each. 25c



#### CEREUS HYBRIDUS MONSTRUOSUS

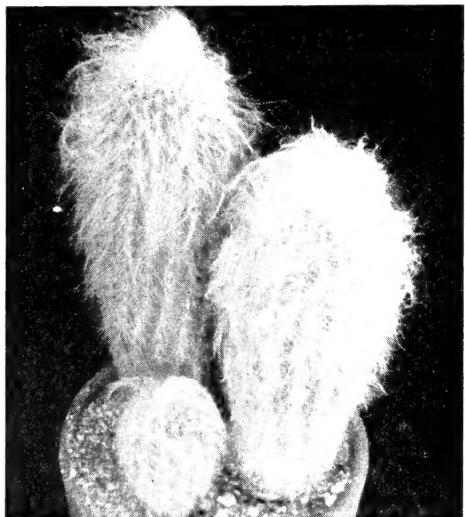
A strange and monstrous cactus attracting the attention of all who see it. They grow more upright than the Curiosity Plant and soon form most unusual specimens. As easy to grow as any cactus, and never lose their peculiar manner of growth. Fine plants, 2-inch and 3-inch, each. 45c



#### PAPER SPINED OPUNTIA

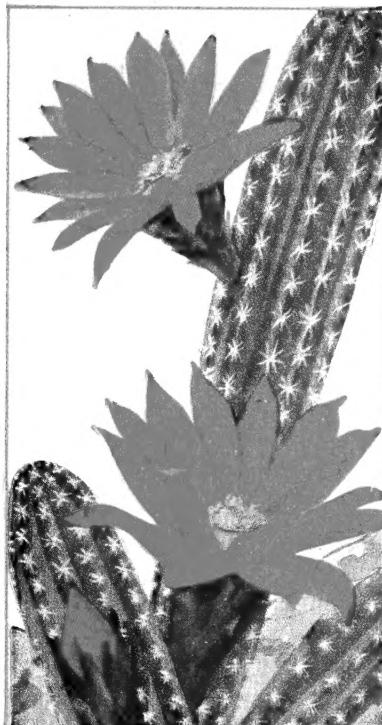
*Tephrocactus glomeratus*

One of the prettiest and most peculiar of cacti. Instead of spines, they have long, white, paper ribbons! Your friends will envy you this fine plant. Easy to grow. Sandy soil, sun, moderate water. Fine plants, 35c and. 25c



#### PERUVIAN OLD MAN CACTUS

This Old Man Cactus always attracts attention because of its venerable appearance. It differs from the Mexican kinds, having cottony white hair, and grows somewhat faster. *Euphorbia lanata* grows in the Peruvian Andes. Thrives in sandy soil with moderate waterings. Nice specimens, 5-7 inches, \$1.50  
each. Nice bright white specimens. 35c



#### PEANUT CACTUS

One of the most popular of cacti and the easiest to grow. Will often produce 15-20 branches in a season. Should be in every collection. Flowers in the Spring. *Chamaecereus Sylvesteri* likes moisture, sandy loam, and will grow in sun or partial shade. Plants with arms, 35c. Smaller, beginning to branch, each. 25c

#### WILMATTEA

An interesting genus of climbing cacti from Guatemala. The flowers are quite fragrant and pink in color. *Wilmattaea minutiflora*. Ea. 50c

#### PACHYCEREUS

The giant Cacti of Mexico. These ultimately form huge branching plants up to 40 feet tall weighing many tons. They are spectacular plants, generally branching several feet above the ground, the great arms curving upward.

**Organ Pipe.** *Pachycereus marginatus*. A handsome almost spineless plant with stems like organ pipes. Nice. 25c

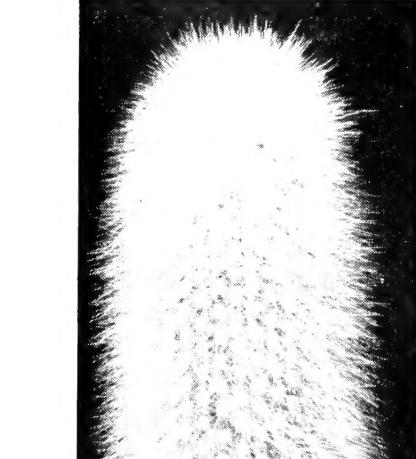
**Indian Comb.** *Pachycereus pecten-aboriginum*. Very pretty, with copper-green stems. Each. 25c

**MEXICAN GIANT CEREUS.** *Pachycereus Pringlei*. Very pretty when small. Grows to 40 feet tall. A grand specimen plant. 1 1/2-inch. Each. 25c



#### CRAFTED PEANUT CACTUS

These form very interesting specimens, being grafted on Snake Cactus stems. They rapidly form valuable clusters on 4 to 6 inch trunks. In the Spring they bear their lively scarlet blossoms. Grafts beginning to branch, each. 75c



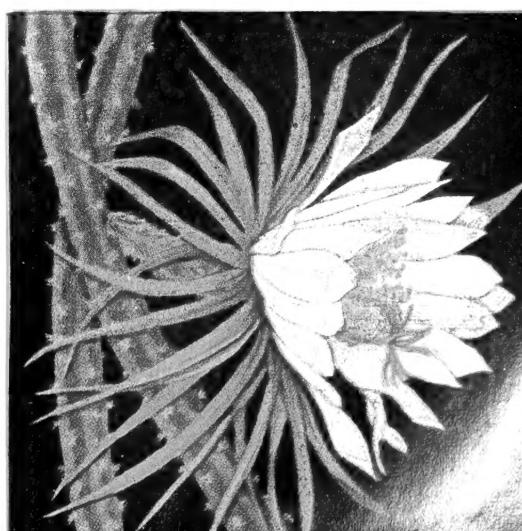
#### SILVER TORCH

*Cleistocactus Straussii*

This lovely Cereus is an arresting plant with its white glossy columns clothed with silvery white spines sometimes tinged with red. It branches freely from the base to form a cluster of its tall columns. In Summer there are quantities of bright red tubular blossoms. It is very easy to grow, liking a light loamy soil with moderate waterings. Sun or part shade. Fine 6-8 inch plants, 50c. 4-5 inch, 35c. Smaller, 1 1/2-2 inch. 25c

#### QUEEN OF THE NIGHT

An old favorite with huge 12-inch blossoms. *Selenicereus Macdonaldiae* grows quickly and easily, liking partial shade, a light sandy soil, and moderately generous waterings during the Summer. The flowers are truly magnificent, the outer petals golden yellow, the inner snowy white. They bloom best if put outside during the Summer. Plants, 6-8 inches, each. 40c

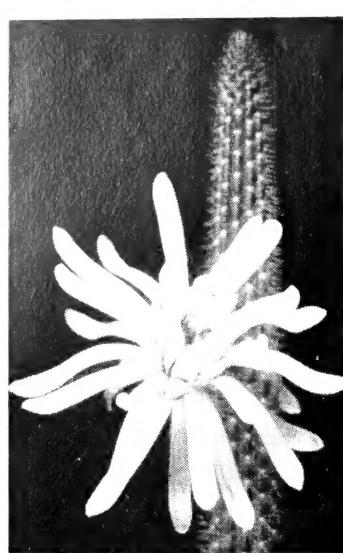




### DAYAMS TREE CACTUS

One of the best fruiting and flowering kinds. Bears big tomato-like half-pound fruits which are quite fragrant and delicious, the pulp crystalline white and sweet. Tree-like in habit, making a nice pot plant. Nice 8-10 inch, 75c. 6-7 inch, 50c. Smaller 35c and.....

**25c**



### SETICEREUS

A rare new genus of columnar Cerei bearing a setaceous pseudocephalium in which the carmine flowers appear. They are related to Borzicactus. The only species was collected over 100 years ago by A. von Humboldt. *Seticereus Hum-boltii*. 3-5 inches, each... 50c

### CORRYOCACTUS

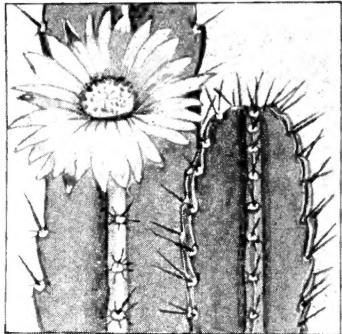
A genus of tall slender spiny Cerei from south Peru. Flowers apical, orange red. Plants branch from base. Recently new species were found. They are not well known.

*Corryocactus brachypetalus*. Very spiny. Flowers orange. 6-8 inch ..... 75c

### SNAKE CACTUS

Beautiful fluted stems, thickly starred with red or grey spines. Easily grown and always a prime favorite. Flowers deliciously sweet scented! *Nyctocereus serpentinus* is pretty at all times. You will like it. Grows in full sun or part shade, moderate waterings. Nice 5-7 inch .....

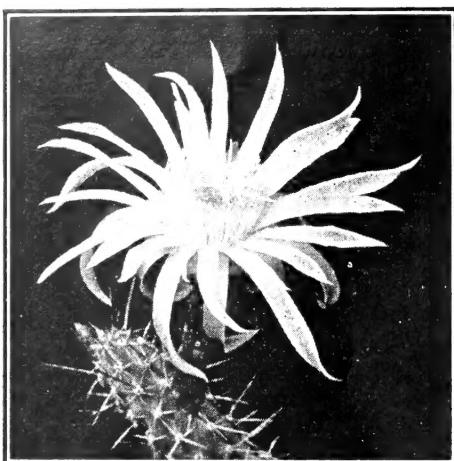
**35c**



### CEREUS MILESSIMUS

Fine tree Cereus with snowy blossoms. Fine quick growing pot plant. 7-8 inches, 50c. Smaller.....

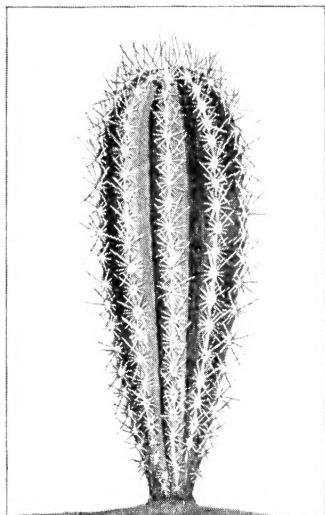
**25c**



### BRAZILIAN ROCK CACTUS

A thoroughly worthwhile cactus for those who like flowers. Blooms with amazing consistency throughout the Summer months. The white blossoms are followed by 2-inch oval fruits, crimson in color and good to eat. Rich loamy soil, moderate waterings, sun or shade. Large 8-10 inch flowering, each, 50c. 6-7 inch, 35c. Monvillea Cavendishii. 2-3 inches.....

**25c**



### BRAZILIAN TORCH CACTUS

#### *Cephalocereus arribadiae*

A pretty species delighting in half shade. The low ribs are set with white areoles armed with shining tawny spines. Quick grower. 2-3 inch, each.....

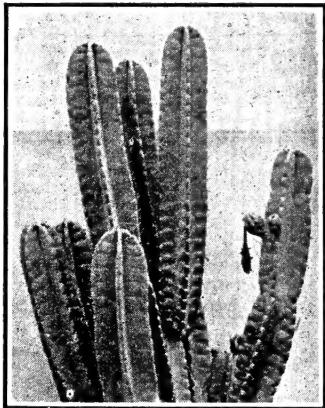
**35c**

### WERKLEOCEREUS

Climbing night blooming cacti from Central America with 3-angled stems.

*Werkleocereus glaber*. Slender. Each ..... 50c

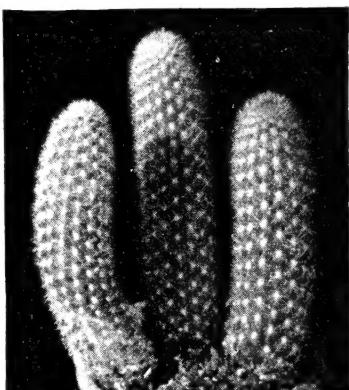
*Werkleocereus Tonduzii*. Stout. Each ..... \$1.00



### FLOWERING TREE CEREUS

Free flowering tree-like. Cereus goniophytus bears large sweet red fruits. 4-6 inch, 35c. Smaller.....

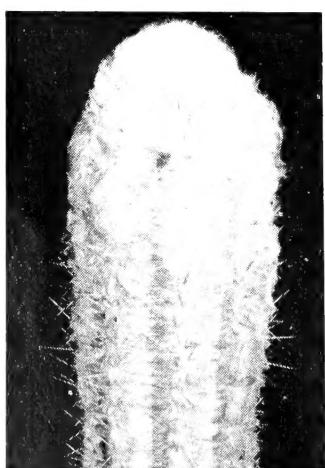
**25c**



### PERUVOCEREU VIRIDIFLORUS

A very pretty new species. Spines yellow. Each .....

**35c**

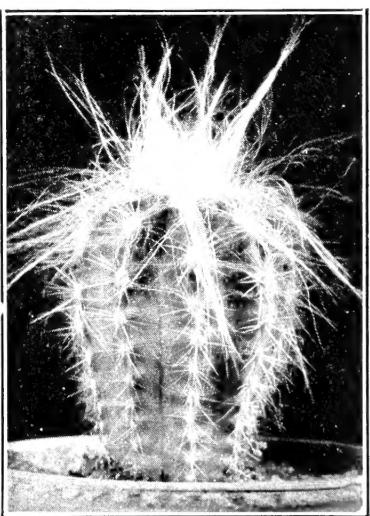


### LEPTOCEREUS

A rare genus from the West Indies. Plants are very spiny, the branches long and sharply angled. Collectors item.

*Leptocereus Grantianus*. Rare. Each ..... 75c

*Leptocereus quadricostatus*. Rare. Each..... 75c



### ARMATOCEREUS

Tree-like Cerei, extremely spiny, much branched, to 10 feet tall. Rare.

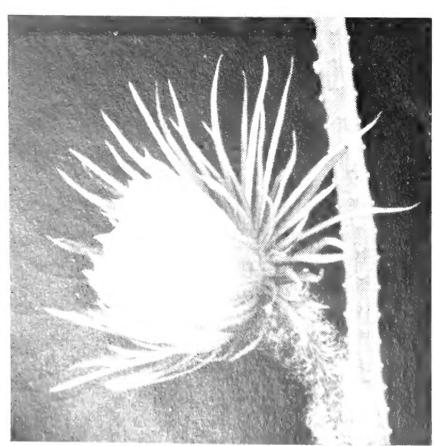
*Armatocereus matucanensis*. Rare. Each..... \$1.00

*Armatocereus mocupensis*. New species. Small plants. Each ..... 35c

### OLD MAN OF THE ANDES

*Oreocereus Celsianus* is now very scarce. A fine long haired Old Man with stout brown spines. Found in the Andes of Bolivia. 1½-2½ inches. Nice.....

**\$1**

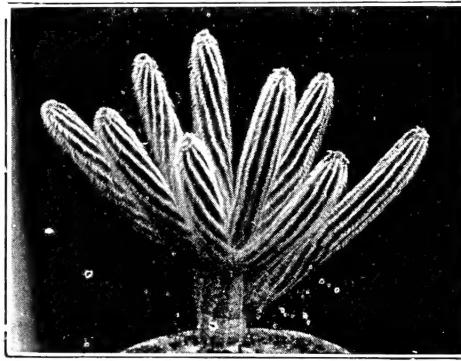




### WHITE TORCH CACTUS

Beautiful, popular and exceedingly easy to grow. *Trichocereus Spachianus* is a fine plant for the window garden. The large snow white blossoms are borne in clusters at the top of the stems. Plants branch quite freely from the base, forming nice colonies. Will stand 10 degree above zero. Nice plants, 2-3 inches.....

**25c**



### GRAFTED LAMBS TAIL

The dwarf *Wilcoxia senilis* bears white wool on its finger sized branches and during Summer quantities of charming clear pink blossoms. The one illustrated bore 35, lasting some time. Grafted on Princess of the Night, on which they grow freely, making long lived specimens. Nice.....

**75c**

### LEMAIREOCEREUS

A splendid group of tree cerei, often reaching a great size. Vigorous growers, liking a loam soil, moderate watering, sun or part shade.

*Lemaireocereus Beneckii*. Powdered white, 6-8 inches.....

**75c**

*Lemaireocereus candelabrum*. Very pretty small plants. Grows to 20 feet. Enormous.....

**25c**

*Lemaireocereus Hollianus*. Fine specimen plant. Nice plants, 6-8 in., 40c. 2-4 in.....

**25c**

*Lemaireocereus humilis*. Rare.....

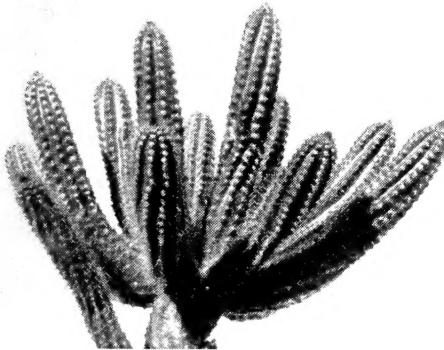
**75c**

*Lemaireocereus tetetzo*. Rare. Small.....

**25c**

*Lemaireocereus Weberi*. Gigantic.....

**25c**



### BLACK LAMBS TAIL

The rare *Wilcoxia Schmollii* is a quick growing cactus with stems the size of one's finger, branching freely. In early Summer the charming pink blossoms are borne in abundance. Grafted plants, beginning to branch. Each.....

**75c**

## CEPHALOCEREUS

### OLD MEN CACTI

These humanly interesting cacti are found all the way from Florida to Argentina. They vary greatly in size from 3 feet to almost 30 feet, some are much branched. All bear at flowering time a more or less developed pseudocephalum of long silky white hair from which the flowers emerge.

**CULTURE.** A light sandy soil with moderate waterings and sun or partial shade.

*Cephalocereus arribidae*. To 10 feet, with blue-green trunk. Grows rapidly, branching when large. Nice plants.....

**35c**

*Cephalocereus catenicola*. A tall sparingly branched species from South America to 15 feet tall. Stems powdered blue. Each.....

**35c**

*Cephalocereus Curtissi*. A newer species, slim, growing to 8 feet. Each.....

**50c**

*Cephalocereus glaucochrous*. Blue Torch. Lovely blue-white specimens, perhaps the brightest of them all. Small growing, flowering at 2 feet. Very, very pretty. This year I have some fine plants 3-4 inches tall that will shortly begin to color. Each.....

**35c**

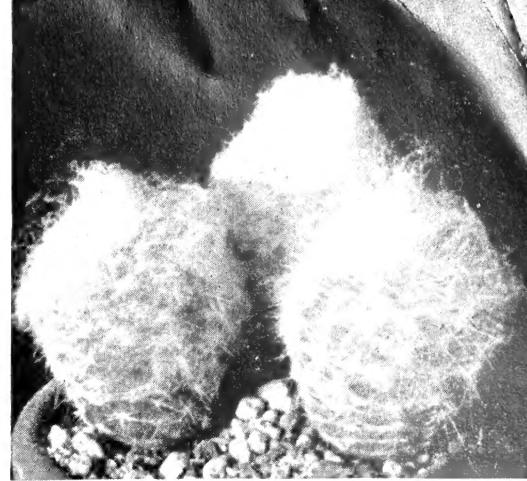
**CEPHALOCEREUS POLYLOPHUS**. Aztec Column. A rare specimen of grand proportions. Forms a real show plant. Nice, 1-2 inches....

**35c**

*Cephalocereus Palmeri*. See page 34.

*Cephalocereus pernambucensis*. A creeping species.....

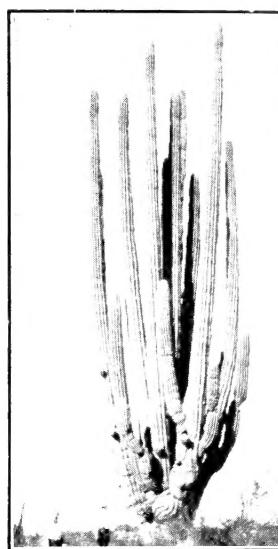
**50c**



### SNOW BALL CACTUS

We have a nice clean lot of this choicest of all the Old Men Cacti. The fine silky white hair entirely clothes the young plants so that they appear as puffs of white cotton. *Pseudoespostoa melanostele* grows near Lima, Peru. Grows easily, liking a quite sandy soil, very moderate waterings and a light sunny position. Some varieties have long yellow spines. Grows to 6 feet, branching from below. Nice show plants.....

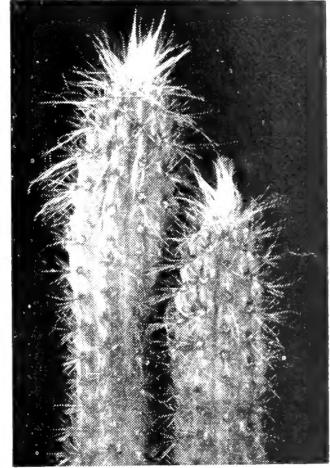
**30c**



At left:  
**GIANT MEXICAN CERESUS**

The quick growing *Pachycereus Pringlei* makes a very nice pot specimen. Similar to the Sahuaro of Arizona. In Lower California it grows to huge proportions, reaching 4 feet in height. This year I have some nice small plants, 1½-2 inches.....

**25c**



At right:  
**MORAWETZIA**

*Morawetzia Doelziana* is a most curious and pretty white haired cactus. I saw it growing in Peru, forming small colonies, the stems to 14 inches tipped by a true cephalium from which the bright red flowers emerge. The plants grow easily in sandy soil, moderate waterings. Nice, 5-6 inches. 50c. Smaller.....

**35c**

## HYLOCEREUS

### NIGHT BLOOMING CERI

A large flowered group of triangular stemmed climbing cacti. The huge 10-inch snowy white or cream blossoms open about 8 o'clock, closing in the morning. They like a sandy soil with some leafmold, watering generously, giving some shade.

**Honolulu Queen**. *Hylocereus undatus*. Flowers to 12 inches, white and gold. Each.....

**75c**

*Hylocereus calcaratus*.....

**75c**

*Hylocereus costaricensis*.....

**75c**

*Hylocereus extensis*.....

**75c**

*Hylocereus Lemairei*.....

**75c**

*Hylocereus napoleonis*.....

**75c**

*Hylocereus ocamponis*.....

**75c**

*Hylocereus polystachys*.....

**75c**

At right:

### OLD MAN CACTUS

The long snowy-white hair of this venerable cactus makes it one of the most popular kinds we have. My plants of *Cephalocereus senilis* are clean and really snow-white with long hair and healthy roots. They are very scarce now and supplies are limited. Order yours while still available. Nice 1-1¼ inches.....

**35c**



TURN PAGE OVER FOR MORE CERI

